

# API Ballot Summary Sheet

3/23/2005

**Ballot: 24-05: 653-177, Life of an Internal Lining**

**AMS ID: 626**

**Start Date:** 1/24/05

**Closing Date:** 3/14/05

**Associate:** Roland Goodman

**Coordinator:** Valeen Young

**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	No	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	IMC-Phosphates	No	X		
109375	Jerry Boldra		No	X		
22200	Dan Boley	DJA Inspection Services	No	X		
135851	David Bryan	Marathon Ashland Petroleum, LLC	No	X		
130397	Jerry Burke	GE Panametrics	No			X
134782	Steve Caruthers	Tank Consultants, Inc.	No	X		
81149	Monica Chauviere	ExxonMobil	No	X		
7127	Earl Crochet	Kinder Morgan	No	X		
132217	Dwayne Davis	Stone & Webster, Inc	No			X
142685	Domingo de Para	ExxonMobil	No	X		
133403	Jeffrey DeArmond	BP p.l.c. Whiting Refinery	No	X		
130587	Darren Denning	Shell Pipeline Company LP	No			X
132700	Jeff Didas	Colonial Pipeline	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

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134870	Laurence Foster	Marathon Ashland Petroleum LLC	No	X	
134880	John Fumbanks	Pond and Company Inc.	No		X
133538	Frank Furillo	ExxonMobil Corp.	No		X
115033	Alan Geis	Colonial Pipeline Company	No	X	
84365	Mark Geisenhoff	Flint Hills Resources, LP	Yes	X	
85826	George Guinn	Marathon Ashland Pipe Line, LLC	No	X	
86222	Ron Gundry	Buckeye Partners, L.P.	No		X
83689	Ty Hagen	Hagen Engineering International, Inc.	No	X	
133668	Gary Heath	All Tech Inspection	No	X	
136619	Robert Hendrix	Voridian Engineering & Construction	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.	No	X	
136274	Thomas Lorentz	AEC Engineering, Inc.	No		X
128476	John Ludman	DuPont Engineering Technology	No	X	
135072	Francis Maitland	Quense LLC	No		X
78399	David Martin	Conservatek Industries, Inc.	No	X	
113545	James McBride	Petrex, Inc.	No	X	
138401	John McMillan	Mechanical Integrity Inc.	No		X
146748	Tim McMullen	Terasen Pipelines (USA) Inc.	No	X	
139443	James McVay	Tesoro Petroleum	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)	No	X	
114038	Ron Miller	Physical Acoustics Corporation	No		X

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69609	Bhana Mistry	TIW Steel Platework	No	X		
83736	John Mooney		No	X		
92212	George Morovich	TEMCOR	No	X		
136286	Philip Myers	ChevronTexaco Corporation	Yes	X		
132210	David Nasab	Kellogg Brown & Root	No		X	
140695	Richard Nichols	Roddey Engineering Services, Inc.	No	X		
139782	Robert Niebling	ConocoPhillips	No			X
139601	John O'Brien	Innovative Research Consultants	No			X
82544	John Oleyar	HMT, Inc.	No			X
82270	Robert Pechacek	General Electric Inspection Services	No	X		
5193	Richard Pinegar	Cargill Inc.	No	X		
102412	Roy Ralph	Petro-Canada	No			X
10929	John Reynolds	Shell Global Solutions (US) Inc.	No	X		
135169	Michael Richardson	International Paper	Yes		X	
102879	James Riley	ChevronTexaco Energy Technology Cor	No	X		
73744	Bruce Roberts		No	X		
132701	Arthur Roster	Explorer Pipeline Company	No	X		
102884	Joe Don Sanders	Lyondell Citgo Refinery	No			X
77480	Clinton Schulz	Citgo Refining & Chemical Co.	No			X
138135	Michael Shallis	Longview Inspection, Inc.	No	X		
101360	Marilyn Shores	Sunoco Logistics	No	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		

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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
132704	Thomas Widin	BP Pipelines (North America) Inc.	No		X

	<u>Affirmative</u>	<u>Negative</u>	<u>Abstain</u>	<u>Did Not Vote</u>
<b>Balloting Totals:</b>	<b>62</b>	<b>2</b>	<b>2</b>	<b>27</b>

<b>Total Responses:</b>	<b>66</b>	
<b>Total Ballots:</b>	<b>93</b>	
<b>Response Rate :</b>	<b>67%</b>	Must be > 50%
<b>Approval Rate:</b>	<b>97%</b>	Must be > 67%
<b>Consensus:</b>	<b>YES</b>	

**API Template for Ballot Comments and Resolution**

Ballot ID: 626	Date: March 23, 2005	Document: <b>Ballot 24-05: 653-177</b>
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#	(1) Voter/ Commenter	(2) Company	(3) Section No. (e.g. 3.1)	(4) Type of comment	(5) Comment (justification for change)	(6) Proposed Change	(7) Comment Resolution
1	Philip Myers	ChevronTexaco Corporation		Technical	Suggest that you add. If the expected life of the coating does not exceed Or then StPr shall be set equal to 0.5Or.		
2	Jim Johnston	ChevronTexaco Energy Technology Company		Technical	I do not see any guidance in API 652 to determine teh life of a coating. In addition, I see no guidance for establishing the remaining life of a coating.	I would leave the section in API 653 as it is an not make the proposed change.	
3	Larry Hiner	Chicago Bridge & Iron Company(CB&I)		Technical	No comment.		
4	Mark Geisenhoff	Flint Hills Resources, LP		Technical	I agree with the change but is it premature since API 652 has not been changed to give guidance on determining service life yet?		
5	Chris Bashor	Minnesota Pollution Control Agency	4.4.7.1	Technical	I am voting negative because the premise of this item has not been met, at least not yet. As spelled out in the Rationale, the premise is that 652 will provide clear guidance for determining/establishing the service life of a lining, that can be referenced by 653 and used for MRT. In order for this to be part of the MRT equation, it needs to be objective and quantitative and have a solid basis, which is what is missing from the current definition of topside corrosion rate. However, now that the revised 652 is out, a reading of the document does not reveal the kind of guidance needed for an objective approach to service life, in Sections 10 or 11 where it would logically be or elsewhere. The new 652 is an excellent document and will be a huge improvement, but as proposed does not include a rational basis for service life determination which is what is needed for MRT.	Put item on hold since it appears that 652 is up for final ballot so service life calculation will not be included at this time. If this is included in 652 later, we can come back to this item. Making a reference now to guidance that doesn't exist would be a mistake.	

**NOTE** Columns 1, 2, 4, 6 are compulsory.

API electronic balloting commenting template/version 2002-12

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Ballot ID: 626	Date: March 23, 2005	Document: <b>Ballot 24-05: 653-177</b>
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	(1)	(2)	(3)	(4)	(5)	(6)	(7)
#	Voter/ Commenter	Company	Section No. (e.g. 3.1)	Type of comment	Comment (justification for change)	Proposed Change	Comment Resolution
6	Robert Hendrix	Voridian Engineering & Construction	4.4.7.1	Technical	The third edition draft of 652 does not really help to quantitatively set any remaining service life. If it helps us with regulators, I'm for it. But, if I were a regulator reading this, I'd be dubious of circular argument. Unless 652 says more than stating that linings sometimes last only a year and sometimes twenty years and that here is how they might fail and here are some ways you might be able to measure what is likely going wrong, I'd be underwhelmed.		
7	Michael Richardson	International Paper	General	Technical	I do not understand how referenced RP652 provides guidance to determine the remaining coating service life?		

**NOTE** Columns 1, 2, 4, 6 are compulsory.

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