

APA

Safety & Health Awards Program

**2017 AWARD WINNERS
& INDUSTRY SURVEY**



APA SAFETY & HEALTH AWARDS – 2017

On behalf of the APA Safety and Health Advisory Committee, I would like to congratulate all of the 2017 Safety and Health Award Winners. Winning mills will be presented with a plaque recognizing their achievement and will receive further recognition at APA's 2018 Annual Meeting.

The APA Safety and Health Awards Program is the premier safety award program for the engineered wood industry in North America. It encourages and recognizes operational excellence with the goal of reducing injury and illness rates. While awards are limited to APA members, data from both member and non-member mills may be included.

The 2017 average Weighted Incident Rate (WIR) for our industry was 8.43, an encouraging decrease over last year's WIR of 10.67. The 2017 average Total Incident Rate (TIR) was 1.77, a decrease over last year's TIR of 2.33. We must continue to ensure that systems and processes are in place to improve the trend. Our employees deserve close attention to their personal safety, and it is simply good business.

	TIR	WIR
2017	1.77	8.43
2016	2.33	10.67
2015	2.34	11.25
2014	2.05	10.83
2013	2.05	10.05

WIR is calculated using both the number and severity of recordable incidents (see page 5 for formula). This 2017 Industry Survey shows the WIR and TIR for all participating mills. It also shows average data for three product divisions: OSB; plywood; and structural composite lumber (SCL), laminated veneer lumber (LVL), glulam and I-joist.

I have now completed the second year of a two-year term as chairman of the APA Safety and Health Advisory Committee. It is my distinct privilege to represent such a seasoned and capable group of safety professionals. Our committee is dedicated to sharing what we learn from serious incidents and best practices that will help our respective companies provide safer workplaces that better protect the health and safety of our most precious asset...our employees. If there is a safety need or issue that our committee can help with at your company or location, please let us know. If your company is not currently represented, we encourage you to get involved. We welcome the opportunity to broaden our committee membership.

Please plan on attending our Safety Workshop to be held in conjunction with the 2018 APA Annual Meeting, which is scheduled for October 27-29 in San Antonio, TX. I look forward to seeing you there.

Greg Ellisor, Weyerhaeuser
Corporate Health and Safety Manager
Safety and Health Advisory Committee Chairman

Safety and Health Advisory Committee Members

Greg Ellisor
Chairman | Weyerhaeuser

Bryan Kimball
Murphy Company

Peter Quosai
Norbord

Terry Evans
Vice-Chairman | Boise Cascade
Company

John Myers
Roseburg Forest Products Co.

Terry Secrest
RoyOMartin

Keith Harned
LP

Sam Newbill
Hood Industries, Inc.

Jocelyn Lagacé
EACOM Timber Corporation

APA SAFETY & HEALTH AWARDS – 2017

INNOVATION IN SAFETY AWARD

Equipment-Based Innovation Winner

Boise Cascade Company
Medford, Oregon
"Belt Hold-Down"

Jeff Wagner Process-Based Innovation Winner

Boise Cascade Company
Oakdale, Louisiana
"Splinter Reduction Video"

SAFEST COMPANY AWARD

	Average WIR	Average TIR
Smartlam, LLC (Companies with three or fewer member mills)	4.19	4.19
LP (Companies with four or more member mills)	3.16	0.56

ANNUAL SAFETY & HEALTH HONOR ROLL

Division I (Plywood)

		WIR	TIR
1ST PLACE	Boise Cascade Company Chester, South Carolina	0.73	0.73
2ND PLACE	Boise Cascade Company Kettle Falls, Washington	1.04	1.04

Division II (OSB)

		WIR	TIR
1ST PLACE	LP Ponta Grossa, Brazil	0.00	0.00
2ND PLACE	LP Panguipulli, Chile	0.00	0.00

Division III (Glulam, I-Joist and SCL)

		WIR	TIR
1ST PLACE	LP Red Bluff, California	0.00	0.00
2ND PLACE	Louisiana-Pacific Canada Ltd. Golden, British Columbia	0.30	0.30

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3-YEAR SAFETY AWARD (2015 – 2017)

Division I (Plywood)

	WIR	TIR
RoyOMartin Chopin, Louisiana	3.46	0.46

Division II (OSB)

	WIR	TIR
LP Panguipulli, Chile	0.00	0.00

Division III (Glulam, I-Joist and SCL)

	WIR	TIR
LP Red Bluff, California	0.00	0.00

SAFETY IMPROVEMENT AWARD (2015 – 2017)

Division I (Plywood)

	2015 WIR	2016 WIR	2017 WIR
Boise Cascade Company Chester, South Carolina	12.52	5.98	0.73
	2015 TIR	2016 TIR	2017 TIR
94% Improvement	1.96	1.56	0.73

Division II (OSB)

	2015 WIR	2016 WIR	2017 WIR
Norbord La Sarre, Quebec	3.59	0.68	0.00
	2015 TIR	2016 TIR	2017 TIR
100% Improvement	0.72	0.68	0.00

Division III (Glulam, I-Joist and SCL)

	2015 WIR	2016 WIR	2017 WIR
Louisiana-Pacific Canada Ltd. Golden, British Columbia	5.06	1.04	0.30
	2015 TIR	2016 TIR	2017 TIR
94% Improvement	1.56	1.04	0.30

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WIR FORMULA

Restricted work, lost time, fatality (employee or service provider working on site) and other recordable incidents for each mill are used to calculate a Weighted Incident Rate (WIR) for each mill using the following formula:

$$\text{Mill WIR} = \frac{(25 \times F + 10 \times LT + 5 \times RW + R) \times 200,000}{\text{Mill Hours}}$$

Where:

WIR = Mill's Weighted Incident Rate for the year

F = Mill's Fatalities (Employees or Service Providers) for the year

LT = Mill's Lost Time Incidents for the year

RW = Mill's Restricted Work Incidents for the year

R = Mill's Other Recordable Incidents for the year

APA SAFETY & HEALTH AWARDS – 2017

INCIDENT FREE HONOR SOCIETY

Company Location	Product	WIR	TIR
<i>LP Brasil Ponta Grossa, Brazil</i>	OSB	0.00	0.00
<i>LP Panguipulli, Chile</i>	OSB	0.00	0.00
<i>LP Hanceville, Alabama</i>	OSB	0.00	0.00
<i>LP Red Bluff, California</i>	IJ	0.00	0.00
<i>LP Roxboro, North Carolina</i>	OSB	0.00	0.00
<i>LP Two Harbors, Minnesota</i>	OSB	0.00	0.00
<i>Louisiana-Pacific Canada Ltd. Dawson Creek, British Columbia</i>	OSB	0.00	0.00
<i>Louisiana-Pacific Canada Ltd. Maniwaki, Quebec</i>	OSB	0.00	0.00
<i>Norbord Jefferson, Texas</i>	OSB	0.00	0.00
<i>Norbord La Sarre, Quebec</i>	OSB	0.00	0.00
<i>Norbord Lanett, Alabama</i>	OSB	0.00	0.00
<i>Tolko Industries Ltd. High Prairie, Alberta</i>	OSB	0.00	0.00

2017 INDUSTRY SURVEY

ALPHABETICAL

Company Location	Product	WIR	TIR
Boise Cascade Company <i>Alexandria, Louisiana</i>	IJ / LVL	8.23	0.82
Boise Cascade Company <i>Chester, South Carolina</i>	Plywood	0.73	0.73
Boise Cascade Company <i>Elgin, Oregon</i>	Plywood	2.92	0.97
Boise Cascade Company <i>Florien, Louisiana</i>	Plywood	13.42	2.27
Boise Cascade Company <i>Homedale, Idaho</i>	Glulam	8.39	5.34
Boise Cascade Company <i>Kettle Falls, Washington</i>	Plywood	1.04	1.04
Boise Cascade Company <i>Medford, Oregon</i>	Plywood	4.04	0.95
Boise Cascade Company <i>Moncure, North Carolina</i>	Plywood	12.19	1.88
Boise Cascade Company <i>Oakdale, Louisiana</i>	Plywood	8.43	1.93
Boise Cascade Company <i>Rogue Valley Plywood White City, Oregon</i>	Plywood	23.70	4.31
Boise Cascade Company <i>Roxboro, North Carolina</i>	LVL	2.10	2.10
Boise Cascade Company <i>St-Jacques, New Brunswick</i>	IJ	1.59	1.59
Boise Cascade Company <i>Thorsby, Alabama</i>	LVL	0.38	0.38
Boise Cascade Company <i>White City, Oregon</i>	IJ / LVL	1.26	1.26
Boise Cascade Company <i>White City, Oregon</i>	Veneer	0.00	0.00
Boise Cascade Company <i>Willamina, Oregon</i>	Veneer	0.00	0.00
EACOM Timber Corporation <i>Sault Ste. Marie, Ontario</i>	IJ	19.94	3.63
Hood Industries, Inc. <i>Beaumont, Mississippi</i>	Plywood	11.44	1.91
Hood Industries, Inc. <i>Wiggins, Mississippi</i>	Plywood	17.83	2.05
Louisiana-Pacific Canada Ltd. <i>Dawson Creek, British Columbia</i>	OSB	0.00	0.00
Louisiana-Pacific Canada Ltd. <i>Golden, British Columbia</i>	LVL	0.30	0.30

2017 INDUSTRY SURVEY

ALPHABETICAL

Company Location	Product	WIR	TIR
Louisiana-Pacific Canada Ltd. <i>Maniwaki, Quebec</i>	OSB	0.00	0.00
Louisiana-Pacific Canada Ltd. <i>Swan Valley OSB Minitonas, Manitoba</i>	OSB	9.81	1.40
Louisiana-Pacific Canada Ltd. <i>Peace Valley OSB Fort St. John, British Columbia</i>	OSB	7.17	2.21
LP Brasil <i>Ponta Grossa, Brazil</i>	OSB	0.00	0.00
LP <i>Hanceville, Alabama</i>	OSB	0.00	0.00
LP <i>Hayward, Wisconsin</i>	OSB	0.38	0.38
LP <i>Houlton, Maine</i>	SCL	0.64	0.64
LP <i>Jasper, Texas</i>	OSB	10.89	1.09
LP <i>Lautaro, Chile</i>	OSB	4.97	0.50
LP <i>Newberry, Michigan</i>	OSB	0.70	0.70
LP <i>Panguipulli, Chile</i>	OSB	0.00	0.00
LP <i>Red Bluff, California</i>	IJ	0.00	0.00
LP <i>Roxboro, North Carolina</i>	OSB	0.00	0.00
LP <i>Sagola, Michigan</i>	OSB	5.97	0.60
LP <i>Thomasville, Alabama</i>	OSB	9.51	1.36
LP <i>Tomahawk, Wisconsin</i>	OSB	0.61	0.61
LP <i>Two Harbors, Minnesota</i>	OSB	0.00	0.00
LP <i>Wilmington, North Carolina</i>	LVL	10.00	1.33
LP <i>Carthage, Texas</i>	OSB	5.42	0.54
Norbord <i>100 Mile House, British Columbia</i>	OSB	0.64	0.64
Norbord <i>Barwick, Ontario</i>	OSB	11.63	3.42
Norbord <i>Bemidji, Minnesota</i>	OSB	0.71	0.71

2017 INDUSTRY SURVEY

ALPHABETICAL

Company Location	Product	WIR	TIR
Norbord Cordele, Georgia	OSB	10.36	1.24
Norbord Genk, Belgium	OSB	0.00	0.00
Norbord Grand Prairie, Alberta	OSB	2.57	0.51
Norbord Guntown, Mississippi	OSB	4.30	1.43
Norbord High Level, Alberta	OSB	8.80	1.65
Norbord Inverness, Scotland	OSB	3.67	1.22
Norbord Jefferson, Texas	OSB	0.00	0.00
Norbord Joanna Kinards, South Carolina	OSB	6.99	0.70
Norbord La Sarre, Quebec	OSB	0.00	0.00
Norbord Lanett, Alabama	OSB	0.00	0.00
Norbord Nacogdoches, Texas	OSB	0.67	0.67
Pinkwood Ltd. Calgary, Alberta	IJ	30.02	6.00
PotlatchDeltic St. Maries, Idaho	Plywood	13.91	2.56
Roseburg Forest Products Co. Plywood #1, #2 Winston, Oregon	Plywood	43.91	8.97
Roseburg Forest Products Co. Plywood #4 Riddle, Oregon	Plywood	21.37	4.97
Roseburg Forest Products Co. Plywood #5, #6 Coquille, Oregon	Plywood	26.74	5.30
Roseburg Forest Products Co. Riddle, Oregon	IJ / LVL	18.94	4.62
RoyOMartin Chopin, Louisiana	Plywood	3.46	0.46
RoyOMartin Oakdale, Louisiana	OSB	6.83	2.10
Smartlam, LLC Columbia Falls, Montana	CLT	4.19	4.19
Tolko Industries Ltd. Armstrong, British Columbia	Plywood	11.97	2.18
Tolko Industries Ltd. High Prairie, Alberta	OSB	0.00	0.00

2017 INDUSTRY SURVEY

ALPHABETICAL

Company Location	Product	WIR	TIR
Tolko Industries Ltd. <i>Kamloops, British Columbia</i>	Plywood	21.67	5.00
Tolko Industries Ltd. <i>Slave Lake, Alberta</i>	OSB	2.24	2.24
Tolko Industries Ltd. <i>Meadow Lake, Saskatchewan</i>	OSB	0.57	0.57
Weyerhaeuser <i>Hudson Bay, Saskatchewan</i>	OSB	39.94	7.37
Weyerhaeuser <i>Arcadia Plant Simsboro, Louisiana</i>	OSB	18.23	2.94
Weyerhaeuser <i>Edson, Alberta</i>	OSB	4.18	1.39
Weyerhaeuser <i>Elkin, North Carolina</i>	OSB	7.67	1.39
Weyerhaeuser <i>Grayling, Michigan</i>	OSB	5.94	1.49
Weyerhaeuser <i>Kalispell, Montana</i>	Plywood	10.52	2.00
Weyerhaeuser <i>Sutton, West Virginia</i>	OSB	7.04	2.71
Average Incidence Rate		8.43	1.77

2017 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION I – PLYWOOD

Company Location	Product	WIR	TIR
Boise Cascade Company <i>Chester, South Carolina</i>	Plywood	0.73	0.73
Boise Cascade Company <i>Kettle Falls, Washington</i>	Plywood	1.04	1.04
Boise Cascade Company <i>Elgin, Oregon</i>	Plywood	2.92	0.97
RoyOMartin <i>Chopin, Louisiana</i>	Plywood	3.46	0.46
Boise Cascade Company <i>Medford, Oregon</i>	Plywood	4.04	0.95
Boise Cascade Company <i>Oakdale, Louisiana</i>	Plywood	8.43	1.93
Weyerhaeuser <i>Kalispell, Montana</i>	Plywood	10.52	2.00
Hood Industries, Inc. <i>Beaumont, Mississippi</i>	Plywood	11.44	1.91
Tolko Industries Ltd. <i>Armstrong, British Columbia</i>	Plywood	11.97	2.18
Boise Cascade Company <i>Moncure, North Carolina</i>	Plywood	12.19	1.88
Boise Cascade Company <i>Florien, Louisiana</i>	Plywood	13.42	2.27
PotlatchDeltic <i>St. Maries, Idaho</i>	Plywood	13.91	2.56
Hood Industries, Inc. <i>Wiggins, Mississippi</i>	Plywood	17.83	2.05
Roseburg Forest Products Co. <i>Plywood #4 Riddle, Oregon</i>	Plywood	21.37	4.97
Tolko Industries Ltd. <i>Kamloops, British Columbia</i>	Plywood	21.67	5.00
Boise Cascade Company <i>Rogue Valley Plywood White City, Oregon</i>	Plywood	23.70	4.31
Roseburg Forest Products Co. <i>Plywood #5, #6 Coquille, Oregon</i>	Plywood	26.74	5.30
Roseburg Forest Products Co. <i>Plywood #1, #2 Winston, Oregon</i>	Plywood	43.91	8.97
Average Incidence Rate		13.30	2.64

2017 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION II – OSB

Company Location	Product	WIR	TIR
LP Brasil <i>Ponta Grossa, Brazil</i>	OSB	0.00	0.00
LP <i>Panguipulli, Chile</i>	OSB	0.00	0.00
LP <i>Hanceville, Alabama</i>	OSB	0.00	0.00
LP <i>Roxboro, North Carolina</i>	OSB	0.00	0.00
Louisiana-Pacific Canada Ltd. <i>Dawson Creek, British Columbia</i>	OSB	0.00	0.00
Louisiana-Pacific Canada Ltd. <i>Maniwaki, Quebec</i>	OSB	0.00	0.00
Norbord <i>La Sarre, Quebec</i>	OSB	0.00	0.00
LP <i>Two Harbors, Minnesota</i>	OSB	0.00	0.00
Norbord <i>Jefferson, Texas</i>	OSB	0.00	0.00
Norbord <i>Genk, Belgium</i>	OSB	0.00	0.00
Norbord <i>Lanett, Alabama</i>	OSB	0.00	0.00
Tolko Industries Ltd. <i>High Prairie, Alberta</i>	OSB	0.00	0.00
LP <i>Hayward, Wisconsin</i>	OSB	0.38	0.38
Tolko Industries Ltd. <i>Meadow Lake, Saskatchewan</i>	OSB	0.57	0.57
LP <i>Tomahawk, Wisconsin</i>	OSB	0.61	0.61
Norbord <i>100 Mile House, British Columbia</i>	OSB	0.64	0.64
Norbord <i>Nacogdoches, Texas</i>	OSB	0.67	0.67
LP <i>Newberry, Michigan</i>	OSB	0.70	0.70
Norbord <i>Bemidji, Minnesota</i>	OSB	0.71	0.71
Tolko Industries Ltd. <i>Slave Lake, Alberta</i>	OSB	2.24	2.24
Norbord <i>Grand Prairie, Alberta</i>	OSB	2.57	0.51
Norbord <i>Inverness, Scotland</i>	OSB	3.67	1.22

2017 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION II – OSB

Company Location	Product	WIR	TIR
Weyerhaeuser Edson, Alberta	OSB	4.18	1.39
Norbord Guntown, Mississippi	OSB	4.30	1.43
LP Lautaro, Chile	OSB	4.97	0.50
LP Carthage, Texas	OSB	5.42	0.54
Weyerhaeuser Grayling, Michigan	OSB	5.94	1.49
LP Sagola, Michigan	OSB	5.97	0.60
RoyOMartin Oakdale, Louisiana	OSB	6.83	2.10
Norbord Joanna Kinards, South Carolina	OSB	6.99	0.70
Weyerhaeuser Sutton, West Virginia	OSB	7.04	2.71
Louisiana-Pacific Canada Ltd. Peace Valley OSB Fort St. John, British Columbia	OSB	7.17	2.21
Weyerhaeuser Elkin, North Carolina	OSB	7.67	1.39
Norbord High Level, Alberta	OSB	8.80	1.65
LP Thomasville, Alabama	OSB	9.51	1.36
Louisiana-Pacific Canada Ltd. Swan Valley OSB Minitonas, Manitoba	OSB	9.81	1.40
Norbord Cordele, Georgia	OSB	10.36	1.24
LP Jasper, Texas	OSB	10.89	1.09
Norbord Barwick, Ontario	OSB	11.63	3.42
Weyerhaeuser Arcadia Plant Simsboro, Louisiana	OSB	18.23	2.94
Weyerhaeuser Hudson Bay, Saskatchewan	OSB	39.94	7.37
Average Incidence Rate		5.02	1.07

2017 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION III – LVL, SCL, I-JOIST AND GLULAM

Company Location	Product	WIR	TIR
LP <i>Red Bluff, California</i>	IJ	0.00	0.00
Louisiana-Pacific Canada Ltd. <i>Golden, British Columbia</i>	LVL	0.30	0.30
Boise Cascade Company <i>Thorsby, Alabama</i>	LVL	0.38	0.38
LP <i>Houlton, Maine</i>	SCL	0.64	0.64
Boise Cascade Company <i>White City, Oregon</i>	IJ / LVL	1.26	1.26
Boise Cascade Company <i>St-Jacques, New Brunswick</i>	IJ	1.59	1.59
Boise Cascade Company <i>Roxboro, North Carolina</i>	LVL	2.10	2.10
Smartlam, LLC <i>Columbia Falls, Montana</i>	CLT	4.19	4.19
Boise Cascade Company <i>Alexandria, Louisiana</i>	IJ / LVL	8.23	0.82
Boise Cascade Company <i>Homedale, Idaho</i>	Glulam	8.39	5.34
LP <i>Wilmington, North Carolina</i>	LVL	10.00	1.33
Roseburg Forest Products Co. <i>Riddle, Oregon</i>	IJ / LVL	18.94	4.62
EACOM Timber Corporation <i>Sault Ste. Marie, Ontario</i>	IJ	19.94	3.63
Pinkwood Ltd. <i>Calgary, Alberta</i>	IJ	30.02	6.00
Average Incidence Rate		6.26	1.71

Safety & Health Awards Program 2017 Award Winners & Industry Survey

APA HEADQUARTERS

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REPRESENTING THE ENGINEERED WOOD INDUSTRY