

APA

Safety & Health Awards Program

2019 AWARD WINNERS
& INDUSTRY SURVEY



APA SAFETY & HEALTH AWARDS – 2019

On behalf of the APA Safety and Health Advisory Committee, I would like to congratulate all of the 2019 Safety and Health Award Winners. Winning mills will be presented with a plaque recognizing their achievement and will receive further recognition at APA's 2020 Annual Meeting.

The APA Safety and Health Awards Program is the premier safety award program for the engineered wood products 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 2019 average Weighted Incident Rate (WIR) for our industry was 8.11, an increase over last year's WIR of 6.99. The 2019 average Total Incident Rate (TIR) was 1.60, also an increase over last year's TIR of 1.41. As with all activities, we would expect to see some movement of these values over time. We should take these 2019 values as motivation to ensure that systems and processes are in place to strive for the long-term improvement of these metrics. Our employees deserve close attention to their personal safety, and it is simply good business.

	TIR	WIR
2019	1.60	8.11
2018	1.41	6.99
2017	1.77	8.43
2016	2.33	10.67
2015	2.34	11.25

The WIR is calculated using both the number and severity of recordable incidents (see page 6 for formula).

The 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, cross-laminated timber (CLT) and I-joist.

It is my distinct privilege to represent such a committed 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 which better protect our most precious asset...our employees. We realize none of us are smarter than all of us and safety is one area in our competitive environment in which we can collaborate without worry. Safety is a system in a continual state of improvement and is influenced by the other business systems in each company. We create the systems in which our employees operate, and we have a duty to make those systems as free from harm as possible. Our collaboration among the wood products safety professionals is the pathway to that goal and we welcome your contributions.

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 2020 APA Annual Meeting, which is scheduled for October 17 – 20 in Miami, Florida. I look forward to adding your experience to our shared journey.

Terry Evans, CSP
Boise Cascade Company
Wood Products Division Safety Manager
Safety and Health Advisory Committee Chairman

APA SAFETY & HEALTH AWARDS – 2019

Safety and Health Advisory Committee Members

Terry Evans, Chairman

Boise Cascade Company

Peter Quosai

Norbord Inc.

Sam Newbill, Vice-Chairman

Hood Industries, Inc.

John Myers

Roseburg Forest Products Company

Chris Fowler

Canoe Forest Products Limited

Terry Secrest

RoyOMartin

Jocelyn Lagace

EACOM Timber Corporation

Josh Jenkinson

Structurlam Mass Timber Corporation

Dave McGowin

LP

Steve Walker

Weyerhaeuser

Bryan Kimball

Murphy Company

APA SAFETY & HEALTH AWARDS – 2019

INNOVATION IN SAFETY AWARD

Equipment-Based Innovation Winner	Jeff Wagner Process-Based Innovation Winner
Resolute-LP Engineered Wood Larouche, Quebec "I-Joist Clamp for Web to Flange Separation"	Roseburg Forest Products Company Coquille, Oregon "Laser Walkway"

SAFEST COMPANY AWARD

	Average WIR	Average TIR
Resolute-LP Engineered Wood (Companies with three or fewer member mills)	0.00	0.00
LP (Companies with four or more member mills)	3.64	0.66

ANNUAL SAFETY & HEALTH HONOR ROLL

Division I (Plywood)

	WIR	TIR
1ST PLACE Boise Cascade Company Medford, Oregon	0.27	0.27
2ND PLACE Boise Cascade Company Chester, South Carolina	0.27	0.27

Division II (OSB)

	WIR	TIR
1ST PLACE LP Swan Valley Minitonas, Manitoba	0.00	0.00
2ND PLACE Norbord Barwick, Ontario	0.00	0.00

Division III (Glulam, I-Joist, LVL and SCL)

	WIR	TIR
1ST PLACE LP Wilmington, North Carolina	0.00	0.00
2ND PLACE LP Red Bluff, California	0.00	0.00

APA SAFETY & HEALTH AWARDS – 2019

3-YEAR SAFETY AWARD (2017 – 2019)

Division I (Plywood)

	WIR	TIR
Boise Cascade Company Chester, South Carolina	1.64	0.52

Division II (OSB)

	WIR	TIR
LP Two Harbors, Minnesota	0.24	0.24

Division III (Glulam, I-Joist and SCL)

	WIR	TIR
Boise Cascade Wood Products, LLC White City, Oregon	0.85	0.85

SAFETY IMPROVEMENT AWARD (2017 – 2019)

Division I (Plywood)

	2017 WIR	2018 WIR	2019 WIR
Boise Cascade Company Chester, South Carolina	0.73	3.88	0.27
	2017 TIR	2018 TIR	2019 TIR
81% Improvement	0.73	0.52	0.27

Division II (OSB)

	2017 WIR	2018 WIR	2019 WIR
LP Two Harbors, Minnesota	0.00	0.69	0.00
	2017 TIR	2018 TIR	2019 TIR
100% Improvement	0.00	0.69	0.00

Division III (Glulam, I-Joist and SCL)

	2017 WIR	2018 WIR	2019 WIR
Boise Cascade Wood Products, LLC White City, Oregon	1.26	0.59	0.71
	2017 TIR	2018 TIR	2019 TIR
113% Improvement	1.26	0.59	0.71

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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 – 2019

INCIDENT FREE HONOR SOCIETY

Company Location	Product	WIR	TIR
Boise Cascade Wood Products, LLC Roxboro, North Carolina	IJ	0.00	0.00
Calvert Co., Inc. Vancouver, Washington	Glulam	0.00	0.00
LP Newberry, Michigan	OSB	0.00	0.00
LP Peace Valley OSB Fort St. John, British Columbia	OSB	0.00	0.00
LP Red Bluff, California	IJ	0.00	0.00
LP Swan Valley Minitonas, Manitoba	OSB	0.00	0.00
LP Two Harbors, Minnesota	OSB	0.00	0.00
LP Wilmington, North Carolina	LVL	0.00	0.00
Norbord Inc. Barwick, Ontario	OSB	0.00	0.00
Norbord Inc. Nacogdoches, Texas	OSB	0.00	0.00
Resolute-LP Engineered Wood Larouche, Quebec	IJ	0.00	0.00
Resolute-LP Engineered Wood Saint-Prime, Quebec	IJ	0.00	0.00

2019 INDUSTRY SURVEY

ALPHABETICAL

Company Location	Product	WIR	TIR
Anthony Forest Products Company El Dorado, Arkansas	Glulam	1.38	1.38
Anthony Forest Products Company Washington, Georgia	Glulam	1.69	1.69
Boise Cascade Wood Products, LLC Alexandria, Louisiana	IJ / LVL	6.08	1.10
Boise Cascade Company Chester, South Carolina	Plywood	0.27	0.27
Boise Cascade Company Elgin, Oregon	Plywood	24.45	3.71
Boise Cascade Company Florien, Louisiana	Plywood	6.59	1.03
Boise Cascade Wood Products, LLC Homedale, Idaho	Glulam	46.63	8.97
Boise Cascade Company Kettle Falls, Washington	Plywood	5.04	0.50
Boise Cascade Company Medford, Oregon	Plywood	0.27	0.27
Boise Cascade Company Oakdale, Louisiana	Plywood	19.90	3.43
Boise Cascade Wood Products, LLC Roxboro, North Carolina	IJ	0.00	0.00
Boise Cascade Wood Products, LLC St-Jacques, New Brunswick	IJ	3.21	3.21
Boise Cascade Wood Products, LLC Thorsby, Alabama	LVL	2.12	0.71
Boise Cascade Company White City, Oregon	Veneer	0.00	0.00
Boise Cascade Wood Products, LLC White City, Oregon	IJ / LVL	0.71	0.71
Calvert Co., Inc. Vancouver, Washington	Glulam	0.00	0.00

2019 INDUSTRY SURVEY

ALPHABETICAL (CONTINUED)

Company Location	Product	WIR	TIR
Coastal Plywood Company Chapman, Alabama	Plywood	13.48	2.38
Coastal Forest Products LLC Havana, Florida	Plywood	1.38	0.28
Hood Industries, Inc. Beaumont, Mississippi	Plywood	4.60	1.84
Hood Industries, Inc. Wiggins, Mississippi	Plywood	12.29	2.57
LP Carthage, Texas	OSB	6.05	1.10
LP Dawson Creek, British Columbia	OSB	0.52	0.52
LP Golden, British Columbia	LVL	3.18	0.64
LP Hanceville, Alabama	OSB	3.34	1.11
LP Hayward, Wisconsin	OSB	3.59	0.36
LP Houlton, Maine	SCL	2.05	2.05
LP Jasper, Texas	OSB	10.62	1.52
LP Chile S.A. Lautaro, Chile	OSB	10.49	1.05
LP Maniwaki, Quebec	OSB	6.73	0.67
LP Newberry, Michigan	OSB	0.00	0.00
LP North Wilkesboro, North Carolina	Hardwood Plywood	0.30	0.30
LP Chile S.A. Panguipulli, Chile	OSB	13.60	1.36

2019 INDUSTRY SURVEY

ALPHABETICAL (CONTINUED)

Company Location	Product	WIR	TIR
LP Peace Valley OSB Fort St. John, British Columbia	OSB	0.00	0.00
LP Brasil Ponta Grossa, Brazil	OSB	6.69	0.67
LP Red Bluff, California	IJ	0.00	0.00
LP Roxboro, North Carolina	OSB	5.57	0.56
LP Sagola, Michigan	OSB	0.62	0.62
LP Swan Valley Minitonas, Manitoba	OSB	0.00	0.00
LP Thomasville, Alabama	OSB	2.15	0.43
LP Tomahawk, Wisconsin	OSB	1.30	1.30
LP Two Harbors, Minnesota	OSB	0.00	0.00
LP Watkins, Minnesota	OSB	0.00	0.00
LP Wilmington, North Carolina	LVL	0.00	0.00
Murphy Plywood Company Rogue River, Oregon	Plywood	7.99	1.88
Murphy Engineered Wood Sutherlin, Oregon	LVL	5.87	1.17
Norbord Inc. 100 Mile House, British Columbia	OSB	12.65	2.53
Norbord Inc. Barwick, Ontario	OSB	0.00	0.00
Norbord Inc. Bemidji, Minnesota	OSB	16.41	2.98

2019 INDUSTRY SURVEY

ALPHABETICAL (CONTINUED)

Company Location	Product	WIR	TIR
Norbord Inc. Cordele, Georgia	OSB	11.01	0.44
Norbord Inc. Cowie, Stirlingshire, Scotland	MDF	9.33	2.22
Norbord Inc. Genk, Belgium	OSB	0.00	0.00
Norbord Inc. Grand Prairie, Alberta	OSB	6.49	1.62
Norbord Inc. Guntown, Mississippi	OSB	5.32	2.28
Norbord Inc. High Level, Alberta	OSB	6.15	0.61
Norbord Inc. Inverness, Scotland	OSB	6.84	0.68
Norbord Inc. Jefferson, Texas	OSB	27.46	3.81
Norbord Inc. Joanna Kinards, South Carolina	OSB	0.70	0.70
Norbord Inc. La Sarre, Quebec	OSB	2.11	2.11
Norbord Inc. Lanett, Alabama	OSB	7.23	1.97
Norbord Inc. Nacogdoches, Texas	OSB	0.00	0.00
Norbord Inc. South Molton, United Kingdom	PBD	4.47	0.81
PotlatchDeltic St. Maries, Idaho	Plywood	0.83	0.83
Resolute-LP Engineered Wood Larouche, Quebec	IJ	0.00	0.00
Resolute-LP Engineered Wood Saint-Prime, Quebec	IJ	0.00	0.00

2019 INDUSTRY SURVEY

ALPHABETICAL (CONTINUED)

Company Location	Product	WIR	TIR
Roseburg Forest Products Company Chester, South Carolina	SCL	2.64	2.64
Roseburg Forest Products Company Coquille, Oregon	Plywood	11.42	2.34
Roseburg Forest Products Company Plywood #2 Dillard, Oregon	Plywood	32.87	4.87
Roseburg Forest Products Company Plywood #4 Riddle, Oregon	Plywood	13.35	2.89
Roseburg Forest Products Company Riddle, Oregon	IJ / LVL	1.60	1.60
Roseburg Forest Products Company Weed, Oregon	Veneer	21.56	3.08
RoyOMartin Chopin, Louisiana	Plywood	2.86	0.80
RoyOMartin Corrigan, Texas	OSB	5.62	1.12
RoyOMartin Oakdale, Louisiana	OSB	0.51	0.51
Smartlam, LLC Columbia Falls, Montana	Glulam	8.03	8.03
Structurlam Mass Timber Corporation Penticton, British Columbia	Glulam	28.18	6.09
Tolko Industries Ltd. High Prairie, Alberta	OSB	0.54	0.54
Tolko Industries Ltd. Meadow Lake, Saskatchewan	OSB	1.05	1.05
Weyerhaeuser Hudson Bay, Saskatchewan	OSB	35.45	4.43
Weyerhaeuser Arcadia Plant Simsboro, Louisiana	OSB	4.04	1.35
Weyerhaeuser Columbia Falls, Montana	MDF	22.82	4.72

2019 INDUSTRY SURVEY

ALPHABETICAL (CONTINUED)

Company Location	Product	WIR	TIR
Weyerhaeuser Edson, Alberta	OSB	10.57	2.64
Weyerhaeuser Elkin, North Carolina	OSB	21.31	2.75
Weyerhaeuser Grayling, Michigan	OSB	11.28	3.56
Weyerhaeuser Kalispell, Montana	Plywood	14.23	2.22
Weyerhaeuser Sutton, West Virginia	OSB	18.25	3.42
Average Incidence Rate		8.11	1.60

2019 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION I – PLYWOOD

Company Location	Product	WIR	TIR
Boise Cascade Company Medford, Oregon	Plywood	0.27	0.27
Boise Cascade Company Chester, South Carolina	Plywood	0.27	0.27
PotlatchDeltic St. Maries, Idaho	Plywood	0.83	0.83
Coastal Forest Products LLC Havana, Florida	Plywood	1.38	0.28
RoyOMartin Chopin, Louisiana	Plywood	2.86	0.80
Hood Industries, Inc. Beaumont, Mississippi	Plywood	4.60	1.84
Boise Cascade Company Kettle Falls, Oregon	Plywood	5.04	0.50
Boise Cascade Company Florien, Louisiana	Plywood	6.59	1.03
Murphy Plywood Company Rogue River, Oregon	Plywood	7.99	1.88
Roseburg Forest Products Company Plywood #5, #6 Coquille, Oregon	Plywood	11.42	2.34
Hood Industries, Inc. Wiggins, Mississippi	Plywood	12.29	2.57
Roseburg Forest Products Company Plywood #4 Riddle, Oregon	Plywood	13.35	2.89
Coastal Plywood Company Chapman, Alabama	Plywood	13.48	2.38
Weyerhaeuser Kalispell, Montana	Plywood	14.23	2.22
Boise Cascade Company Oakdale, Louisiana	Plywood	19.90	3.43
Boise Cascade Company Elgin, Oregon	Plywood	24.45	3.71
Roseburg Forest Products Company Plywood #2 Dillard, Oregon	Plywood	32.87	4.87
Average Incidence Rate		9.58	1.62

2019 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION II – OSB

Company Location	Product	WIR	TIR
LP Newberry, Michigan	OSB	0.00	0.00
LP Peace Valley OSB Fort St. John, British Columbia	OSB	0.00	0.00
LP Swan Valley Minitonas, Manitoba	OSB	0.00	0.00
LP Two Harbors, Minnesota	OSB	0.00	0.00
Norbord Inc. Barwick, Ontario	OSB	0.00	0.00
Norbord Inc. Nacogdoches, Texas	OSB	0.00	0.00
RoyOMartin Oakdale, Louisiana	OSB	0.51	0.51
LP Dawson Creek, British Columbia	OSB	0.52	0.52
Tolko Industries Ltd. High Prairie, Alberta	OSB	0.54	0.54
LP Sagola, Michigan	OSB	0.62	0.62
Norbord Inc. Joanna Kinards, South Carolina	OSB	0.70	0.70
Tolko Industries Ltd. Meadow Lake, Saskatchewan	OSB	1.05	1.05
LP Tomahawk, Wisconsin	OSB	1.30	1.30
Norbord Inc. La Sarre, Quebec	OSB	2.11	2.11
LP Thomasville, Alabama	OSB	2.15	0.43

2019 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION (CONTINUED)

DIVISION II – OSB

Company Location	Product	WIR	TIR
LP Hanceville, Alabama	OSB	3.34	1.11
LP Hayward, Wisconsin	OSB	3.59	0.36
Weyerhaeuser Arcadia Plant Simsboro, Louisiana	OSB	4.04	1.35
Norbord Inc. Guntown, Mississippi	OSB	5.32	2.28
LP Roxboro, North Carolina	OSB	5.57	0.56
RoyOMartin Corrigan, Texas	OSB	5.62	1.12
LP Carthage, Texas	OSB	6.05	1.10
Norbord Inc. High Prairie, Alberta	OSB	6.15	0.61
Norbord Inc. Grand Prairie, Alberta	OSB	6.49	1.62
LP Brasil Ponta Grossa, Brazil	OSB	6.69	0.67
LP Maniwaki, Quebec	OSB	6.73	0.67
Norbord Inc. Lanett, Alabama	OSB	7.23	1.97
LP Chile S.A. Lautaro, Chile	OSB	10.49	1.05
Weyerhaeuser Edson, Alberta	OSB	10.57	2.64
LP Jasper, Texas	OSB	10.62	1.52

2019 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION (CONTINUED)

DIVISION II – OSB

Company Location	Product	WIR	TIR
Norbord Inc. Cordele, Georgia	OSB	11.01	0.44
Weyerhaeuser Grayling, Michigan	OSB	11.28	3.56
Norbord Inc. 100 Mile House, British Columbia	OSB	12.65	2.53
LP Chile S.A. Panguipulli, Chile	OSB	13.60	1.36
Norbord Inc. Bemidji, Minnesota	OSB	16.41	2.98
Weyerhaeuser Sutton, West Virginia	OSB	18.25	3.42
Weyerhaeuser Elkin, North Carolina	OSB	21.31	2.75
Norbord Inc. Jefferson, Texas	OSB	27.66	3.81
Weyerhaeuser Hudson Bay, Saskatchewan	OSB	35.45	4.43
Average Incidence Rate		6.96	1.25

2019 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

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

Company Location	Product	WIR	TIR
Boise Cascade Wood Products, LLC Roxboro, North Carolina	IJ	0.00	0.00
Calvert Co., Inc. Washougal, Washington	Glulam	0.00	0.00
LP Red Bluff, California	IJ	0.00	0.00
LP Wilmington, North Carolina	LVL	0.00	0.00
Resolute-LP Engineered Wood Larouche, Quebec	IJ	0.00	0.00
Resolute-LP Engineered Wood Saint-Prime, Quebec	IJ	0.00	0.00
Boise Cascade Wood Products, LLC White City, Oregon	IJ / LVL	0.71	0.71
Anthony Forest Products Company El Dorado, Arkansas	Glulam	1.38	1.38
Roseburg Forest Products Company Riddle, Oregon	IJ / LVL	1.60	1.60
Anthony Forest Products Company Washington, Georgia	Glulam	1.69	1.69
LP Houlton, Maine	SCL	2.05	2.05
Boise Cascade Wood Products, LLC Thorsby, Alabama	LVL	2.12	0.71
Roseburg Forest Products Company Chester, South Carolina	SCL	2.64	2.64
LP Golden, British Columbia	LVL	3.18	0.64
Boise Cascade Wood Products, LLC St-Jacques, New Brunswick	IJ	3.21	3.21

2019 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION (CONTINUED)

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

Company Location	Product	WIR	TIR
Murphy Engineered Wood Sutherlin, Oregon	LVL	5.87	1.17
Boise Cascade Wood Products, LLC Alexandria, Louisiana	IJ / LVL	6.08	1.10
Smartlam, LLC Columbia Falls, Montana	Glulam	8.03	8.03
Structurlam Mass Timber Corporation Penticton, British Columbia	Glulam	28.18	6.07
Boise Cascade Wood Products, LLC Homedale, Idaho	Glulam	46.63	8.97
Average Incidence Rate		7.07	1.90

Safety & Health Awards Program 2019 Award Winners & Industry Survey

APA HEADQUARTERS

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REPRESENTING THE ENGINEERED WOOD INDUSTRY