

Dear Senators ANDREASON, Coiner & Malepeai, and
Representatives SCHAEFER, Marriott & Ringo:

The Legislative Services Office, Research and Legislation, has received the enclosed rules
of the Industrial Commission:

IDAPA 17.08.05 – Idaho Minimum Safety Standards and Practices for Logging -

Signals and Signal Systems – Docket No. 17-0805-0901

17.08.08 – Idaho Minimum Safety Standards and Practices for Logging –

Falling and Bucking – Docket No. 17-0808-0901

17.08.09 – Idaho Minimum Safety Standards and Practices for Logging -

Rigging, Lines, Blocks, and Shackles –

Docket No. 17-0809-0901

17.08.10 – Idaho Minimum Safety Standards and Practices for Logging –

Canopy and Canopy Construction for Logging Equipment –

Docket No. 17-0810-0901.

Pursuant to Section 67-454, Idaho Code, a meeting on the enclosed rules may be called by
the cochairmen or by two (2) or more members of the subcommittee giving oral or written notice to
Research and Legislation no later than fourteen (14) days after receipt of the rules' analysis from
Legislative Services. The final date to call a meeting on the enclosed rules is no later than 11-13-
09. If a meeting is called, the subcommittee must hold the meeting within forty-two (42) days of
receipt of the rules' analysis from Legislative Services. The final date to hold a meeting on the
enclosed rules is 12-11-09.

_____The germane joint subcommittee may request a statement of economic impact with respect
to a proposed rule by notifying Research and Legislation. There is no time limit on requesting this
statement, and it may be requested whether or not a meeting on the proposed rule is called or after
a meeting has been held.

To notify Research and Legislation, call 334-2475, or send a written request to the address
or FAX number indicated on the memorandum enclosed.

MEMORANDUM

TO: Rules Review Subcommittee of the Senate Commerce & Human Resources Committee and the House Commerce & Human Resources Committee

FROM: Katharine Gerrity, Principal Legislative Research Analyst

DATE: October 26, 2009

SUBJECT: Industrial Commission

- 1. IDAPA 17.08.05 – Idaho Minimum Safety Standards and Practices for Logging - Signals and Signal Systems – Docket No. 17-0805-0901**
- 2. IDAPA 17.08.08 – Idaho Minimum Safety Standards and Practices for Logging – Falling and Bucking – Docket No. 17-0808-0901**
- 3. IDAPA 17.08.09 – Idaho Minimum Safety Standards and Practices for Logging - Rigging, Lines, Blocks, and Shackles – Docket No. 17-0809-0901**
- 4. IDAPA 17.08.10 – Idaho Minimum Safety Standards and Practices for Logging – Canopy and Canopy Construction for Logging Equipment – Docket No. 17-0810-0901**

At the time of logging in rules, our staff inadvertently separated the following four Industrial Commission rules from twelve additional rules that were reviewed on October 6, 2009. We apologize for any inconvenience or confusion this may have caused.

1. IDAPA 17.08.05 – Idaho Minimum Safety Standards and Practices for Logging - Signals and Signal Systems

The Industrial Commission submits notice of proposed rule at IDAPA 17.08.05 – Idaho Minimum Safety Standards and Practices for Logging - Signals and Signal Systems. According to the Commission, the rule is being proposed to update the Logging Safety Standards to meet OSHA's current requirements relating to signaling of dangerous conditions.

As part of our review of the twelve additional rules that were reviewed on October 6, we contacted the Division of Building Safety to make several inquiries regarding the series of rules relating to logging. There was a misprint on the notices and the correct contact for the series of rules should be Steve Keys, Division of Building Safety, 332-8986.

Negotiated rulemaking was not conducted. The rule appears to be authorized pursuant to Section 72-508, Idaho Code.

2. IDAPA 17.08.08 – Idaho Minimum Safety Standards and Practices for Logging – Falling and Bucking

The Industrial Commission submits notice of proposed rule at IDAPA 17.08.08 – Idaho Minimum Safety Standards and Practices for Logging – Falling and Bucking. According to the Commission, the rule is being proposed to update the Logging Safety Standards to meet OSHA’s current requirements relating to first aid training by logging cutters, back-cuts of timber and to make technical corrections to properly identify illustrations of undercuts.

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3. IDAPA 17.08.09 – Idaho Minimum Safety Standards and Practices for Logging - Rigging, Lines, Blocks, and Shackles

The Industrial Commission submits notice of proposed rule at IDAPA 17.08.09 – Idaho Minimum Safety Standards and Practices for Logging - Rigging, Lines, Blocks, and Shackles. According to the Commission, the rule is being proposed to update the Logging Safety Standards to meet OSHA’s current requirements relating to rope clip fastening..

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4. IDAPA 17.08.10 – Idaho Minimum Safety Standards and Practices for Logging – Canopy and Canopy Construction for Logging Equipment

The Industrial Commission submits notice of proposed rule at IDAPA 17.08.10 – Idaho Minimum Safety Standards and Practices for Logging – Canopy and Canopy Construction for Logging Equipment. According to the Commission, the rule is being proposed to update the Logging Safety Standards to meet OSHA’s current requirements relating to seatbelts for logging construction equipment.

As part of our review of the twelve additional rules that were reviewed on October 6, we contacted the Division of Building Safety to make several inquiries regarding the series of rules relating to logging. There was a misprint on the notices and the correct contact for the series of rules should be Steve Keys, Division of Building Safety, 332-8986.

Negotiated rulemaking was not conducted. The rule appears to be authorized pursuant to Section 72-508, Idaho Code.

cc: Industrial Commission

Mindy Montgomery, Director

Steve Keys, Division of Bldg. Safety

IDAPA 17 - INDUSTRIAL COMMISSION

17.08.05 - IDAHO MINIMUM SAFETY STANDARDS AND PRACTICES FOR LOGGING - SIGNALS AND SIGNAL SYSTEMS

DOCKET NO. 17-0805-0901

NOTICE OF RULEMAKING - PROPOSED RULE

AUTHORITY: In compliance with Section 67-5221(1), Idaho Code, notice is hereby given that this agency has initiated proposed rulemaking procedures. The action is authorized pursuant to Section 72-508, Idaho Code.

PUBLIC HEARING SCHEDULE: Public hearing(s) concerning this rulemaking will be scheduled if requested in writing by twenty-five (25) persons, a political subdivision, or an agency, not later than October 21, 2009.

The hearing site(s) will be accessible to persons with disabilities. Requests for accommodation must be made not later than five (5) days prior to the hearing, to the agency address below.

DESCRIPTIVE SUMMARY: The following is a nontechnical explanation of the substance and purpose of the proposed rulemaking:

The proposed changes are necessary to update the Logging Safety Standards to meet OSHA's current requirements relating to signaling of dangerous conditions.

FEE SUMMARY: The following is a specific description of the fee or charge imposed or increased:

No fee or charge is being imposed by through this rulemaking.

FISCAL IMPACT: The following is a specific description, if applicable, of any negative fiscal impact on the state general fund greater than ten thousand dollars (\$10,000) during the fiscal year resulting from this rulemaking:

There is no impact to the general fund as a result of this rulemaking.

NEGOTIATED RULEMAKING: Pursuant to Section 67-5220(2), Idaho Code, negotiated rulemaking was not conducted because the changes are necessary to meet current OSHA requirements.

ASSISTANCE ON TECHNICAL QUESTIONS, SUBMISSION OF WRITTEN COMMENTS: For assistance on technical questions concerning the proposed rule, contact Alvin Caine, (208) 332-7153.

Anyone may submit written comments regarding this proposed rulemaking. All written comments must be directed to the undersigned and must be delivered on or before October 28, 2009.

DATED this 27th day of August, 2009.

Mindy Montgomery, Director
Industrial Commission
700 South Clearwater Lane
PO Box 83720
Boise, ID 83720-0041
Phone (208) 334-6000
Fax (208) 334-2321

THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 17-0805-0901

011. SIGNALING.

01. One Worker to Give Signals. (7-1-97)

a. ~~Only one (1) worker in any crew shall give signals at the point where chokers are being set. Worker sending drag shall be the only one to give signals.~~ (7-1-97)()

b. Any person is authorized to give a stop signal when a worker is in danger or other emergency condition are apparent. (7-1-97)

02. Signal Must Be Clear and Distinct. (7-1-97)

a. Machine operators shall not move any line unless the signal received is clear and distinct. (7-1-97)

b. If in doubt the operator shall repeat the signal as understood and wait for confirmation. (7-1-97)

03. Hand Signal Use Restricted. (7-1-97)

a. Hand signals are permitted only when in plain sight of the operator. (7-1-97)

b. Hand signals may be used at any time as an emergency stop signal. (7-1-97)

04. Persons in Clear Before Signal Given. All persons shall be in the clear before a signal is given to move logs or turns. (7-1-97)

05. Throwing Material Prohibited. Throwing of any type of material as a signal is prohibited. (7-1-97)

06. Use of Jerk Wire Prohibited. The use of jerk wire whistle system for any type of yarding operations is prohibited. (7-1-97)

07. Audible Signaling to Be Installed and Used. A whistle, horn or other audible signaling device, clearly audible to all persons in the affected area, shall be installed and used on all machines operating as yarders ~~or swings.~~ (7-1-97)()

08. Audible Signaling Device at the Machine to Be Activated. When radio or other means of signal transmission is used, an audible signal must be activated at the machine. (7-1-97)

IDAPA 17 - INDUSTRIAL COMMISSION

17.08.08 - IDAHO MINIMUM SAFETY STANDARDS AND PRACTICES FOR LOGGING - FALLING AND BUCKING

DOCKET NO. 17-0808-0901

NOTICE OF RULEMAKING - PROPOSED RULE

AUTHORITY: In compliance with Section 67-5221(1), Idaho Code, notice is hereby given that this agency has initiated proposed rulemaking procedures. The action is authorized pursuant to Section 72-508, Idaho Code.

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Boise, ID 83720-0041
Phone (208) 334-6000
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THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 17-0808-0901

010. FALLING AND BUCKING.

01. General Requirements. (7-1-97)

a. There shall be an established method of checking the workers in from the woods. Each supervisor shall be responsible for their crew being accounted for at the end of each shift. (7-1-97)

b. Common sense and good judgment must govern the safety of cutters as effected by weather conditions. At no time shall they work if wind is strong enough to prevent the falling of trees in the desired direction or when vision is impaired by weather conditions or darkness. (7-1-97)

c. All cutters shall have a current first aid card, ~~or shall avail themselves of the first opportunity to obtain such training.~~ Employers shall provide an opportunity for cutters to take a standard first aid course. (7-1-97)()

d. Tools of cutters such as axes, sledges, wedges, saws, etc., must be maintained in safe condition. Battered sledges, and wedges shall not be used. When power saws are used, wedges shall be made of soft material, such as wood or plastic. (7-1-97)

e. Cutters shall not be placed on hillsides immediately below each other or below other operations where there is possible danger. (7-1-97)

f. Trees shall not be felled if a falling tree endangers any worker, line, or any unit in operation. (7-1-97)

g. Before starting to fall or buck any tree or snag, the cutter must survey the area for possible hazards and proceed according to safe practices. Snags, which are unsafe to cut, shall be blown down with explosives, or felled by other methods. (7-1-97)

h. Dangerous or hazardous snags shall be felled prior to or in the course of cutting a strip. No danger tree shall be felled by one (1) cutter where and when the assistance of a fellow employee is necessary to minimize the danger or hazards involved. In the case that any danger tree or snag cannot be safely felled and must remain standing or unattended, such tree or snag shall be clearly identified and suitably marked, including all surrounding impact area, and the employee's supervisor shall be notified as soon as possible. (7-1-97)

i. In falling timber, adjacent brush and/or snow shall be cleared away from and around the tree to be felled to provide sufficient room to use saws and axes and provide an adequate escape path. (7-1-97)

j. Cutters shall not fall into another strip; leaners on the line shall be traded. Trees shall be felled into the open whenever conditions permit. (7-1-97)

k. Undercuts and side cuts shall be large enough to safely guide the trees and eliminate the possibility of splitting and/or barber chairing. Particular care shall be taken to hold enough wood to prevent the tree from prematurely slipping or twisting from the stump. Undercuts shall be cleaned out to the full depth of the saw cut. Especially large undercuts are necessary in heavy leaners. When required to safely fell a tree, mechanical or other means shall be employed to accomplish this objective. Pre-cutting of trees for the purpose of production logging is prohibited.

NOTE: Trees with no perceptible lean having an undercut to a depth of one quarter (1/4) of the diameter of the tree with an undercut height equal to one fifth (1/5) of the diameter of the tree will be assumed to be in reasonable compliance with the rule. (7-1-97)

l. Back-cuts shall be ~~even with or~~ above the level of the upper horizontal cut of the undercut. (7-1-97)()

m. While wedging, fallers shall watch for limbs or other material which might be jarred loose. Cutting

of holding wood in lieu of using wedges is prohibited. (7-1-97)

n. When falling or bucking a tree is completed the power saw motor should be stopped. Power saw motor should be stopped while the operator is traveling to the next tree. (7-1-97)

o. Cutters shall not work on the downhill side of the log being bucked unless absolutely unavoidable and only when the log is blocked or otherwise secured to prevent rolling when cut is completed. (7-1-97)

p. Cutters must give timely warning to all persons within range of any log which may have a tendency to roll or slide after being cut off. (7-1-97)

q. Logs shall be completely bucked through whenever possible. If it becomes hazardous to complete a cut, then the log shall be marked and identified by a predetermined method. Rigging crews shall be instructed to recognize such marks and when possible cutters shall warn rigging crew of locations where such unfinished cuts remain. (7-1-97)

r. A competent person properly experienced in this type of work shall be placed in charge of falling and bucking operations. Inexperienced workers shall not be allowed to fall timber or buck logs unless under the direction of an experienced workers. (7-1-97)

s. Power saws shall be kept in good repair at all times. All exhaust parts on power chain saws shall be constructed and maintained so the operator is exposed to a minimum amount of fumes and noise. (7-1-97)

t. Chain saws shall have sprockets and drive end of the bar adequately guarded. Idler ends, when used as two-man saw, shall also be guarded. (7-1-97)

u. Combustion engine driven power saws shall be equipped with a clutch. Saws with faulty clutches shall not be used. (7-1-97)

v. Combustion engine driven power saws shall be equipped with an automatic throttle which will return the motor to idling speed upon release of the throttle. (7-1-97)

w. Power saw motors shall be stopped while being fueled. (7-1-97)

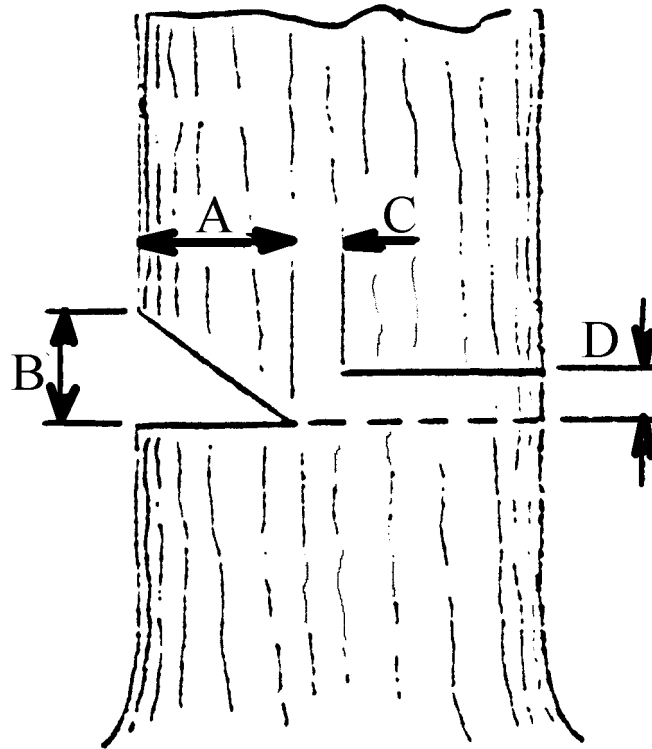
x. All personnel shall wear approved head protection, proper clothing and footwear. (7-1-97)

y. Employees whose normal duties require them to operate a chain saw, shall wear ballistic nylon or equivalent protection covering each leg from upper thigh to boot top, except when working as a climber or working from a bucket truck. (7-1-97)

011. ILLUSTRATION OF UNDERCUTS.

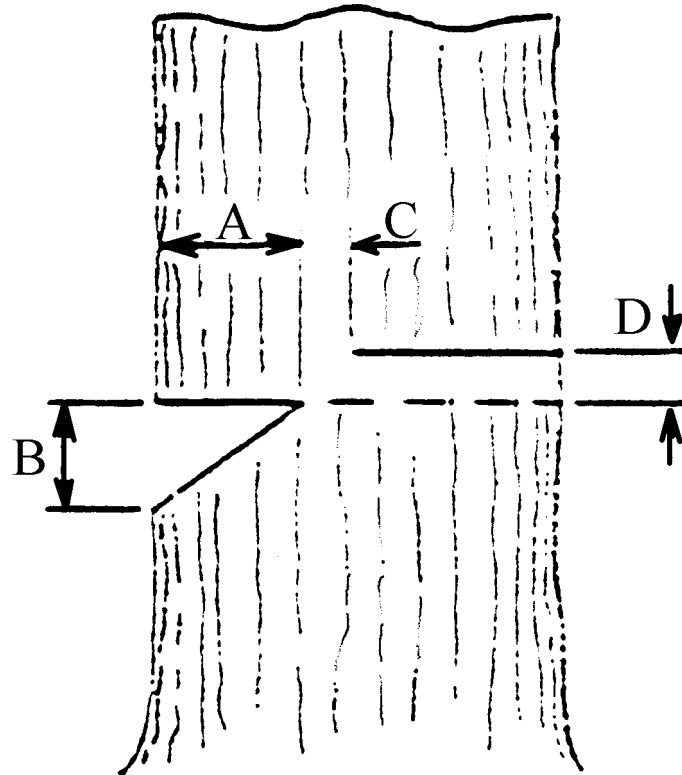
01. Illustration of Undercuts. (7-1-97)

FIGURE 011.01-A - CONVENTIONAL UNDERCUT



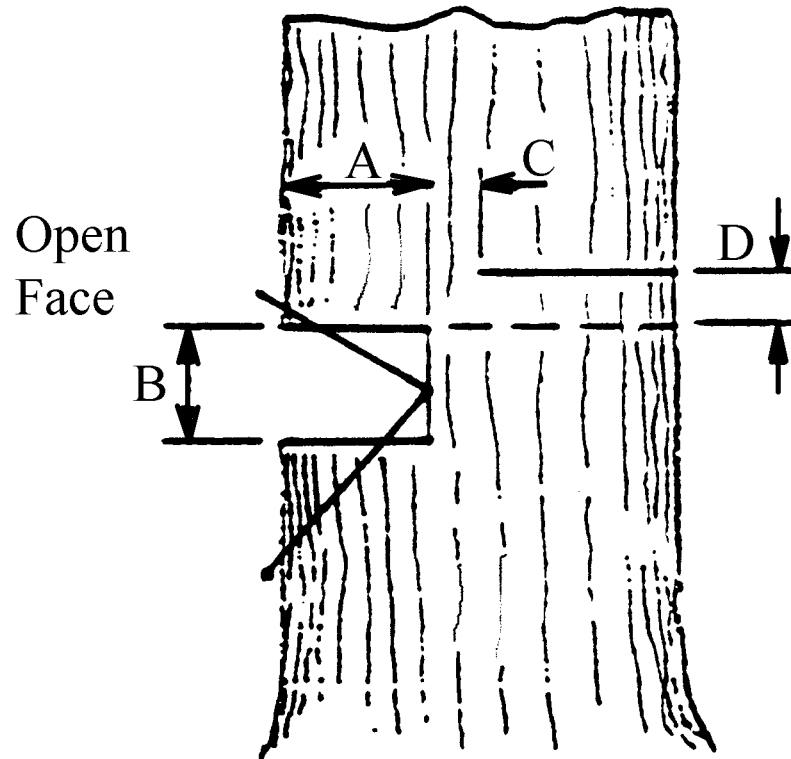
- a.** Conventional Undercut (Figure 011.01-A) - Can be made with parallel saw cut and a diagonal cut.
(7-1-97)()

FIGURE 011.01-B - HUMBOLT UNDERCUT



b. ~~Both cuts made with the saw (Figure 011.01-B) -- Leaves square end log. Same as Figure 011.01-A except that waste is on the stump. Humbolt Undercut (Figure 011.01-B) Both cuts made with the saw (Figure 011.01-B) -- Leaves square end log. Same as Figure 011.01-A except that waste is on the stump.~~ (7-1-97)()

FIGURE 011.01-C



~~c. Two (2) angle cuts with the saw (Figure 011.01 C) -- Used when it is necessary that the face does not close until the tree is near the ground. Open Face Undercut (Figure 011.01-C) Two (2) angle cuts with the saw (Figure 011.01-C) -- Used when it is necessary that the face does not close until the tree is near the ground.~~
(7-1-97)()

FIGURE 011.01-D IS BEING DELETED

~~d. A Humbolt undercut with faced stump (Figure 011.01 D) -- Used to allow the butt of the tree to hit the ground before the top.~~
(7-1-97)()

IDAPA 17 - INDUSTRIAL COMMISSION

17.08.09 - IDAHO MINIMUM SAFETY STANDARDS AND PRACTICES FOR LOGGING - RIGGING, LINES, BLOCKS, AND SHACKLES

DOCKET NO. 17-0809-0901

NOTICE OF RULEMAKING - PROPOSED RULE

AUTHORITY: In compliance with Section 67-5221(1), Idaho Code, notice is hereby given that this agency has initiated proposed rulemaking procedures. The action is authorized pursuant to Section 72-508, Idaho Code.

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ASSISTANCE ON TECHNICAL QUESTIONS, SUBMISSION OF WRITTEN COMMENTS: For assistance on technical questions concerning the proposed rule, contact Alvin Caine, (208) 332-7153.

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DATED this 27th day of August, 2009.

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Phone (208) 334-6000
Fax (208) 334-2321

THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 17-0809-0901

012. LINES, SHACKLES AND BLOCKS.

01. General Requirements. (7-1-97)

a. All lines, shackles, blocks, etc., should be maintained in good condition and shall be of sufficient size, diameter and material to withstand one and one half (1 1/2) times the maximum stress imposed. (7-1-97)

b. Wire rope or other rigging equipment shall be replaced which shows a fifteen (15) percent reduction in strength. (7-1-97)

02. Splices. (7-1-97)

a. Two (2) lines may be connected by a long splice, or by shackles of patent links of the next size larger than the line where practical. (7-1-97)

b. Safe margin of line must be used for making long splices. See Table 012.02-A.

TABLE 012.02-A		
Rope Diameter	Unraveled	Total Length
3/8"	8'	16'
5/8"	13'	20'
3/4"	15'	30'
7/8"	18'	36'
1"	20'	40'

(7-1-97)

03. Clips. (7-1-97)

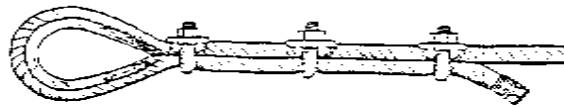
a. Clips should be spaced at least six (6) rope diameters apart to get maximum holding power. See Table 012.03-A.

TABLE 012.03-A		
Diameter of Rope	Number of Clips	Required Space Between Clips
1-1/2-inch	8	10 inches
1-3/8-inch	7	9 inches
1-1/4-inch	6	8 inches
1-1/8-inch	5	7 inches
1- inch	5	6 inches
7/8-inch	5	5-1/4 inches
3/4-inch	5	5-1/2 inches
3/8 to 5/8-inch	4	3 inches

(7-1-97)

b. Should always be attached with the base or saddle of the clip against the longer or “live” end of the rope. See Figure 012.03-A. This is the only right way.

FIGURE 012.03-A



RIGHT

(7-1-97)

c. Do not reverse the clips or stager them. See Figure 012.03-B. Otherwise the “U” bolt will cut into the live rope when the load is applied.

FIGURE 012.03-B



WRONG



WRONG

(7-1-97)

d. After the rope has been used and is under tension the clips should again be tightened to take up any looseness caused by the tension reducing the rope diameter. Remember that even when properly applied a clip fastening has only about ninety percent (90%) of the strength of the rope and far less than that when ~~on wrong rigged~~ improperly. (7-1-97)()

04. Blocks. All blocks must be of steel construction or of material of equal or greater strength and so hung that they will not strike or interfere with other blocks or rigging. (7-1-97)

05. Pins. All pins in blocks shall be properly secured by keys of the largest size the pin hole will accommodate (7-1-97)

06. Shackles. (7-1-97)

a. Spread in jaws of shackles shall not exceed by more than one (1) inch the size of yoke or swivel of the block to which it is connected. (7-1-97)

b. All shackles must be made of forged steel or material of equivalent strength and one (1) size larger than the line it connects. (7-1-97)

07. Cable Cutting. Cable cutters, soft hammers, or cutting torch shall be available and shall be used for cutting cables. (7-1-97)

08. Damaged or Worn Wire Rope. Wire rope worn or damaged beyond the point of safety shall be taken out of service or properly repaired before further use. (7-1-97)

09. Wire Rope Certification. (7-1-97)

a. All wire rope offered for sales shall be certified as to its breaking strength by the manufacturer or vendor in accordance with the U. S. Bureau of Standards specifications. See Table 012.09-A

TABLE 012.09-A -- TYPICAL WIRE ROPE SPECIFICATIONS, (6X19, OR 6X25 IWRC*)					
Cable Dimensions		Improved Plow Steel		Extra-Improved Plow Steel	
Diameter (inches)	Weight per foot (pounds)	Safe working load** (pounds)	Breaking strength (pounds)	Safe working load (pounds)	Breaking strength (pounds)
1/4	0.116	1,960	5,880	2,270	6,800
5/6	0.18	3,050	9,160	3,510	10,540
3/8	.26	4,370	13,120	5,000	15,100
7/16	.35	5,930	17,780	6,800	20,400
1/2	.46	7,700	23,000	89,800	26,600
9/16	.59	9,700	29,000	11,200	33,600
5/8	.72	12,000	36,000	13,700	41,200
3/4	1.04	17,100	53,200	19,600	58,800
7/8	1.42	23,100	69,200	26,500	79,600
1	1.85	30,000	90,000	64,500	103,500
1 1/8	2.34	37,700	113,200	43,300	130,000
1 1/4	2.89	46,300	139,000	53,300	159,800
1 3/8	3.5	55,700	167,000	64,000	192,000
1 1/2	4.16	65,900	197,800	76,000	228,000
1 5/8	4.88	76,000	230,000	88,000	264,000
1 7/8	6.50	101,300	304,000	116,000	348,000
2	7.39	114,739	344,000	132,000	396,000
2 1/8	8.25	128,700	386,000	147,300	442,000
2 1/4	9.36	143,300	430,000	164,700	494,000
2 1/2	11.6	175,300	526,000	201,300	604,000
2 3/4	14.0	209,300	628,000	204,700	722,000

Specifications may vary with different line materials and swedge lines. (7-1-97)

IDAPA 17 - INDUSTRIAL COMMISSION

17.08.10 - IDAHO MINIMUM SAFETY STANDARDS AND PRACTICES FOR LOGGING - CANOPY AND CANOPY CONSTRUCTION FOR LOGGING EQUIPMENT

DOCKET NO. 17-0810-0901

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There is no impact to the general fund as a result of this rulemaking.

FISCAL IMPACT: The following is a specific description, if applicable, of any negative fiscal impact on the state general fund greater than ten thousand dollars (\$10,000) during the fiscal year resulting from this rulemaking: There is no fiscal impact.

NEGOTIATED RULEMAKING: Pursuant to Section 67-5220(2), Idaho Code, negotiated rulemaking was not conducted because the changes are necessary to meet current OSHA requirements.

ASSISTANCE ON TECHNICAL QUESTIONS, SUBMISSION OF WRITTEN COMMENTS: For assistance on technical questions concerning the proposed rule, contact Alvin Caine, (208) 332-7153.

Anyone may submit written comments regarding this proposed rulemaking. All written comments must be directed to the undersigned and must be delivered on or before October 28, 2009.

DATED this 27th day of August, 2009.

Mindy Montgomery, Director
Industrial Commission
700 South Clearwater Lane
PO Box 83720
Boise, ID 83720-0041
Phone (208) 334-6000
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THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 17-0810-0901

011. TRACTORS AND SIMILAR LOGGING EQUIPMENT.

01. Operating Condition. The general operating condition of a tractor or equipment shall be sufficiently good to ensure the safety of the driver and other workmen. (7-1-97)

02. Guards. All guards shall be kept in place and in good repair at all times when the tractor or similar equipment is used. (7-1-97)

03. Repairs or Adjustments. Repairs or adjustments to clutches, frictions, or other parts of equipment which may cause hazardous movement of equipment shall not be done while engines are running. (7-1-97)

04. Blades or Similar Equipment. (7-1-97)

a. Blades or similar equipment shall be blocked or otherwise securely supported when making repairs or performing other work around such equipment when they are elevated from the ground. (7-1-97)

b. Equipment under repair or adjustment should be tagged out. (7-1-97)

05. Brakes and Steering. (7-1-97)

a. All equipment shall be equipped with a braking system capable of stopping and holding the maximum load on all grades at all times. (7-1-97)

b. Any defect found in braking system or steering devices of any equipment used in skidding or yarding operations shall not be used until repaired or replaced. (7-1-97)

06. Starting of Equipment. Equipment shall be started (cranked) only by the operator or other experienced persons. (7-1-97)

07. Seatbelts. (7-1-97)

a. Seatbelts shall be installed on all tractors and mobile equipment having roll-over protection or in accordance with a design by a Professional Engineer which offers equivalent employee protection. (7-1-97)

b. Seatbelts shall be used ~~unless the equipment operator and the person in charge of the job site have reasonable cause to believe that safety of the operator is jeopardized by wearing a seatbelt~~ when operating any machine equipped with Roll Over Protection Structure (ROPS), Falling Object Protection Structure (FOPS), or overhead guards. (7-1-97)()

08. Pin Connections. (7-1-97)

a. Pin connections are recommended for joints in the structural frame and especially at connections to the tractor frame or similar equipment frame. (7-1-97)

b. Gusset plates shall be installed at each place where individual pieces of pipe are joined. (7-1-97)

09. Sideguards. When practical, sideguards shall be installed to protect the operator from hazards. (7-1-97)