

INTRODUCTION TO SAFETY

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From 1995: Safety Director

Vila & Son Companies

OSHA TRAINER CERTIFIED (OSHA COURSE 502)

FLORIDA ADVANCE IN TRAFFIC WORKS

PESTICIDE LICENSE HOLDER

SOME OF THE "VILA & SON" SAFETY HISTORY:

Nursery: Last lost time accident: 07/26/06

Last no lost time accident: 07/30/08

Pesticide related Accidents: None

Landscaping:

	<u>Vila & Son</u>	<u>OSHA</u>
Lost time rate:	0.43 (2008)	2.2 (2007)

EMR (experience modification rate) : 0.64

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FIRST PART:

THE BEGINNING OF:

WORKERS PROTECTION STANDARDS



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ACCIDENTS DO NOT BELONG TO THE PAST.
ALSO ARE PRESENT ON OUR "MODERN TIMES"



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Because accidents did happen and happening,
Its justified the existence of several government
agencies, laws and regulations.

Some of those important institutions are:

OSHA: Occupational Safety and Health Administration
EPA: Environment Protection Agency
NIOSH: National Institute for Occupational Safety Health
Department of Agriculture

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IT IS VERY IMPORTANT TO KNOW THE REGULATIONS
ABOUT THE ACTIVITY YOU ARE INVOLVED.

A VERY GOOD TOOLS IS USING INTERNET,

WWW. OSHA.GOV
WWW. NOISH.GOV
WWW. ANSI.GOV

THEY PROVIDE AN EXTRAORDINARY ACCESS TO THEY
DATA BASE, INCLUDING REGULATIONS, STATISTIC,ETC.

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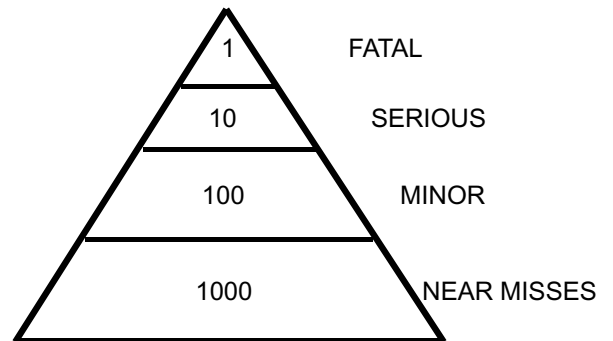
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SECOND PART, THEORY OF SAFETY:

THE SAFETY PYRAMID

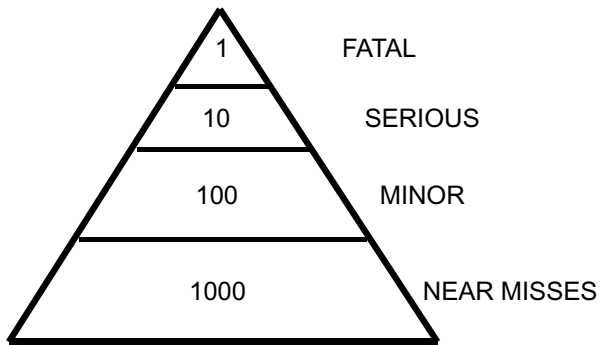
- ▶ IT IS AN ACCEPTED PRACTICE TO REPRESENT ACCIDENTS IN THE FORM OF A PYRAMID (OR TRIANGLE), DIVIDING THEM ACCORDING TO LEVEL OF SERIOUSNESS.
- ▶ According to statistics gathered, it has been established that: For every fatal accident there are 10 serious accidents, 100 minor accidents and 1,000 cases of near misses.

IT IS REPRESENTED GRAPHICALLY IN THE FOLLOWING MANNER:



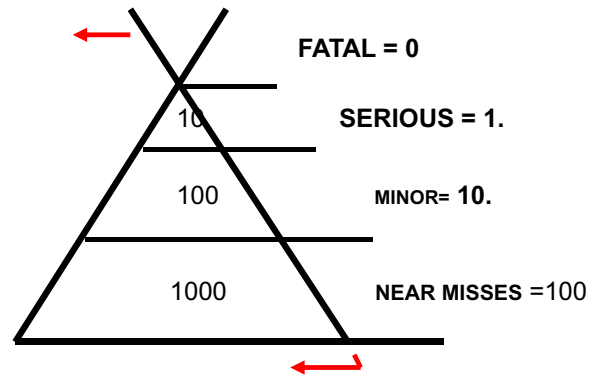
CAN WE ELIMINATE THE EXISTENCE OF THAT PYRAMID FROM OUR BUSINESS?

**YES, WE CAN.
IF WE REDUCE THE NEAR MISSES BY 10 TIMES
WHAT WOULD HAPPEN?**



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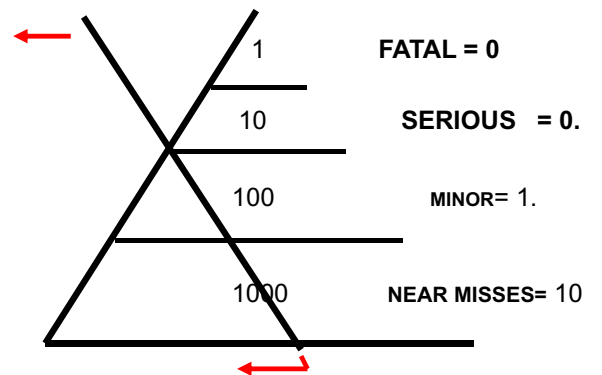
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... AND IF WE REDUCE IT 10 MORE TIMES?



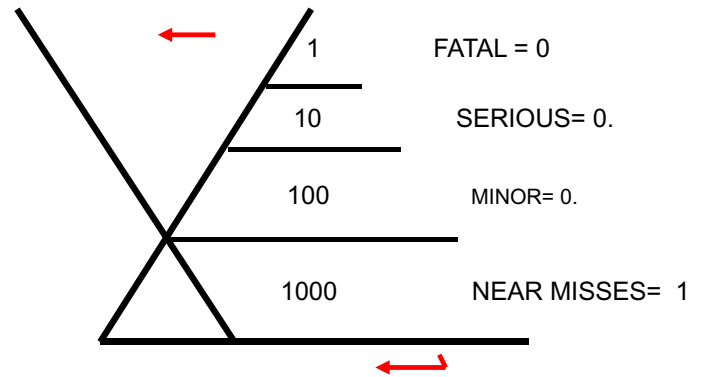
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10 MORE TIMES ...



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THAT IS THE IDEA: THE HARDER WE WORK TOWARDS ELIMINATING THE POSSIBILITY OF AN ACCIDENT, THE FEWER ACCIDENTS WE WILL HAVE OF ANY KIND.

A PYRAMID IS LIKE A BUILDING, IT NEEDS A STRONG BASE THAT WILL SUPPORT ITS WEIGHT.

WE HAVE NOT YET PAINTED IT WITH ITS BASE.

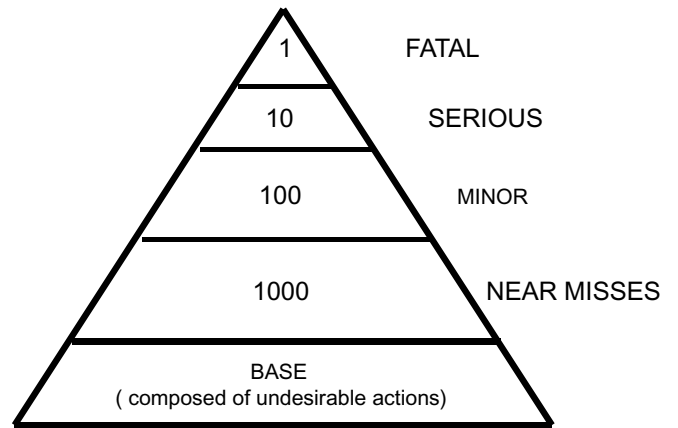
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NOW WITH ITS BASE IT LOOK LIKE THIS:



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YES, IT IS TRUE, ACCIDENTS ONLY OCCUR WHEN THERE ARE UNDESIRABLE FACTORS

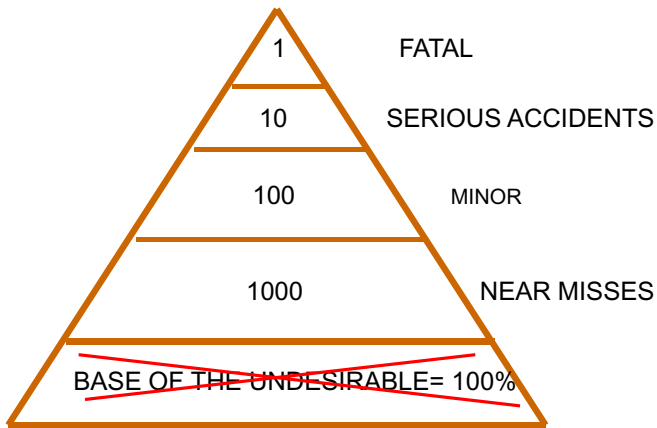
JUST LIKE WITH A BUILDING YOU WISH TO DESTROY, THE BEST WAY TO DO IT IS TO ELIMINATE ITS BASE. SO WOULD THE PYRAMID FALL AND THERE WOULD BE NO MORE ACCIDENTS.

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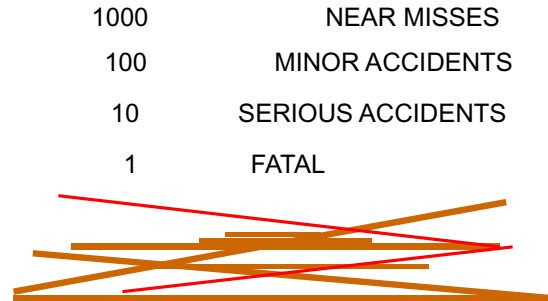


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NO ACCIDENTS !

BASE OF THE UNDESIRABLE= 100%



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THE PROBLEM NOW LIES IN IDENTIFYING WHAT IS "UNDESIRABLE".

UNDESIRABLE ACTIONS:

- ▶ Not understanding the importance of safety.
- ▶ Not having a clear sense of responsibility.
- ▶ Not having a clear sense of what is discipline.
- ▶ Not being organized.
- ▶ Not training correctly.
- ▶ Not to have a safety program and the procedures to follow.
- ▶ Not putting into practice a Hazardous Communication Program from before the project is started until the project is finished.
- ▶ Not considering safety as part the daily duties.
- ▶ Not communicating dangerous conditions.
- ▶ Not taking immediate action when there is an unsafe condition or action.
- ▶ Not being constantly alert.
- ▶ Making erroneous decisions.

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ANYTHING THAT CONTRIBUTES TO
CREATING LOSSES IS:

UNDESIRABLE !

WORK EVERY MOMENT TOWARDS
ELIMINATING ALL UNDESIRABLE
ELEMENTS AND YOU WILL
CONTRIBUTE TO ELIMINATING ANY
POSSIBILITY OF AN ACCIDENT
OCCURRING.

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- ▶ **REMEMBER!**
- ▶ Do not put yourself or others at risk! Enforce the use of PPE and Safe Procedures.
- ▶ Choose the safest way to work even when you feel it will require more effort!
- ▶ Always acts as a professional, apply what you have learned!
- ▶ Take care of your reputation!

THIRD PART

What to protect, how and when ?

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What to protect, how and when?

PPE (Personal Protective Equipment)

Note #1: The use of PPE is the Law and the Employer must provide it.

Note#2: The use of PPE reduces or eliminates personal damages in case of accident, but accidents are only eliminated by application of correct procedures during the job.

Head:

Wear caps or hats to protect from the sun, but hats are more recommendable to cover also the neck and ears.

Hard Hats must be worn to protect from falling objects or other serious risks like: demolitions, Holding ladders, lifters, etc.

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EYES:

WEAR « ANSI » APPROVED DEVICES.

LENSES: MUST BE WORN UNDER ANY CIRCUMSTANCES, EXCEPT WHEN OTHER PROTECTION IS RECOMMENDED.



GOGGLES: WHEN FLYING PARTICLES COULD BE PRESENT.



SPECIAL SEALED GOGGLES: WHEN HANDLING OR SPRAYING CHEMICALS



FACE: (ANSI APPROVED DEVICES)

Face shield must be worn when risk of impact or chemical splash.

Face shield is not a substitute of safety lenses. When face protection is needed, the lenses must be worn in addition to the face shield.

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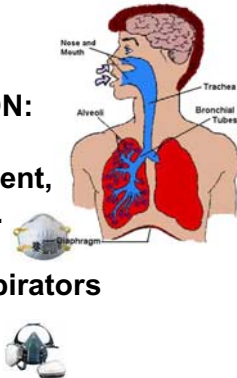
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RESPIRATORY PROTECTION:

When solid airborne is present, dust mask is a requirement.

For liquids and vapors, respirators mask must be used.



HANDS:



According to the different types of tasks there are different types of gloves and materials.

Some times the price is not a good element to make a decision.

Wear the appropriate type to be protected.

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ARMS:



To protect arms from thorns, cuts, abrasions and sun:
Long sleeves are highly recommended

LEGS



To protect legs from thorns, cuts, abrasions and sun:

Long pants are strongly recommended.

When using Chain Saw, additional special protection must be worn.

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CHAIN SAWS ARE "VERY SPECIAL"



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FEET

Leather boots are mandatory.

To protect ankles from twisting, the boots must cover ankles and most be laced. Cowboy boots are not ankle protectors.



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BACK

THERE ARE NOT APPROVED PPE DEVICES TO PROTECT BACK.

ONLY CORRECT LIFTING PROCEDURES CAN PREVENT BACK INJURIES.



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FOURTH PART

A.- Hand tools:

1. Use adequate tool for each task.
E.g: Never substitute a hammer with other tools.
2. Have each tool in good working condition, clean, lubricated, sharpened, etc.
3. Do not repair wood handles with wire, tape etc.
4. Never carry tools on your shoulders.
5. Never carry sharp tools inside truck cabin.

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Small Hands tools:

- Scissors, knives, pocket saws: keep in holster when not in use.
- Machete: If right handed, keep left leg back; if left handed, keep right leg back.
- Shovels: Keep yourself facing the path of others when shoveling. Never throw the load over your shoulder.
- General: Never carry a shovel, a rack, a wood bar, a ladder, etc. on your shoulder.

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B. Powered Hand tools

B.1 Elements of Electric tools:

Cords cannot have any visible damage or cannot be repaired with tape.
If the Third connector (ground) is damaged or lost, discard it.
The outlet must be Ground protected.
If replacement of plugs is needed, the new must be correctly installed according to the code.

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B.2 Fuel Powered Hand Tools: (general rules) **Read Factory Operating and Safety instructions before use.**

- b**
1. Use only approved metal tanks to storage fuel.
 2. Wait to refresh the equipment before refueling.
 3. Disconnect the spark plug before cleaning or repairing.
 - 4.- Conduct frequent cleaning to eliminate plant residues to avoid fires.
 - 5.- Do not operate triggering.
 - 6.- Never eliminate or bypass a Safety protection provided by the factory.
 - 7.- Owner is responsible for keeping equipment in safe conditions according to factory specifications.
 - 8.- Only the factory can authorize a modification to the Safety protection to equipment.

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Instructions for Chain Saws:

Always use appropriate PPE

Do not start the equipment on air, use the stop.
Stop the equipment before walking
Carry on your side with blade pointing backwards
Do not operate over the shoulder level
Never have a leg on the path of the blade
Never cut with the tip, kick off is very dangerous
Keep hands on provided grips
Do not trigger, use at maximum throttle.
Keep left arm straight.
Learn to keep the chain only little bit loose
Have a sharpened chain in spare, do not force the equipment.
Learn how to sharp the chain correctly, it can produce a serious accident if it is incorrectly sharpened.

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MOWERS



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Mowers

When using a ride-on equipment on 10 degrees or more slopes, mow facing the slope.

Do not use ride on-equipment less than 16 feet from border of water, instead use walk behind or step behind.

Wear seat belt when provided by the factory.

In case of optional turn over protector (ROP) use the safety belt only when ROP is ON.

Follow all labels' instructions!

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MOWERS



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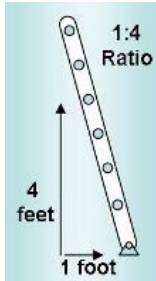
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MOWERS



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GENERAL RULES WHEN WORKING OVER OR CLOSE TO WATER.

LIFE JACKET MUST BE WORN, AND BUOYANT RINGS PROVIDED WITH 90 FEET ROPE MUST BE AVAILABLE.

EXAMPLE OF JOBS WITH RISK OF FALLING IN THE WATER: PLANTING OR MOWING ON SLOPES CLOSE TO CANALS LAKES, ETC.

A MINIMUM OF TWO EMPLOYEES MUST BE IN THE AREA.

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SIXTH PART

CHEMICALS (PESTICIDES)

THE LABEL IS THE LAW. READ THE LABEL BEFORE USING CHEMICALS. KNOW THE REQUIREMENTS NEEDED FOR PERSONAL AND ENVIRONMENTAL PROTECTION.

THE LABEL ESTABLISHES THE MINIMUM PPE REQUIREMENT, BUT ALWAYS PREFER TO USE EXTRA PROTECTION.

APPLICATORS AND HANDLERS

APPLICATOR: PERSON WHO MIXES OR APPLIES PESTICIDES
HANDLER: PERSON WHO TOUCHES OR TRANSPORTS PRE-OPENED PESTICIDE CONTAINER

BOTH MUST BE TRAINED IN WORKER PROTECTION STANDARDS AND SPILL COLLECTION.

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RECOMMENDED PPE FOR HANDLERS:

PLASTIC GLOVES, GOGGLES AND OTHER EQUIPMENT SPECIFIED BY THE LABEL.

RECOMMENDED PPE FOR APPLICATORS:

BE OVER PROTECTED ACCORDING TO THE LABEL SPECIFICATIONS.

PLASTIC GLOVES, GOGGLES, DISPOSABLE COVERALL. PLASTIC BOOTS.

WHEN MIXING: ADD FACE SHIELD AND APRON.

WHEN SPRAYING:

FOR EMERGENCIES, HAVE A PLASTIC BAG OR A BOX WITH A PAIR OF GLOVES, A COVERALL AND GLASSES.

HAVE A BOTTLE OF WATER READY TO WASH EYES.

HELP TO PROTECT THE ENVIRONMENT



ENVIRONMENT PROTECTION IS THE LAW

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Excavations

CALL 811 not less than 2 business days before starting the excavation.

811 is a phone of Sunshine State One Call

It is a free service to locate underground utilities.

An excavation without the clearance ticket is at risk to produce personal and material damages, and the responsible will receive a serious fine.

A simple installation of a mail box needs this permit.

The ticket can be also obtained on line at:

www.callsunshine.com

REMEMBER:

**SAFETY IS AN INVESTMENT
TO PREVENT LOSSES**

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Thanks!

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Safety Director