Lecture W10

Applying the ‘Take 5’ Personnel Risk Assessment

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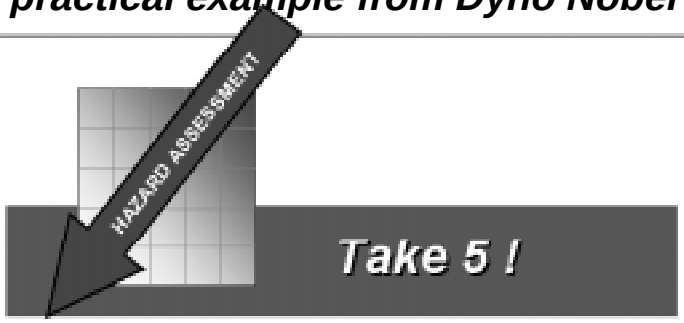
“Take 5” in practice
a practical example from Dyno Nobel



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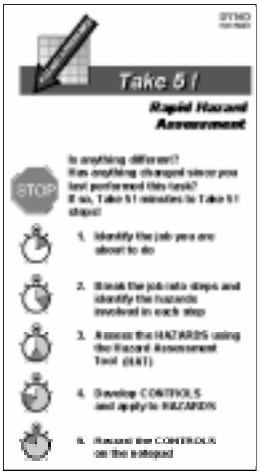
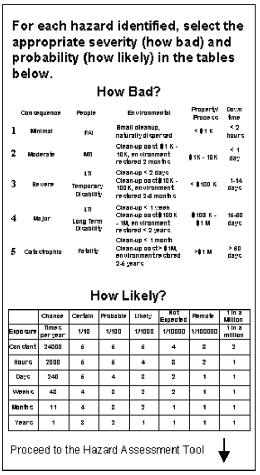
The Take 5 ! Notepad …..

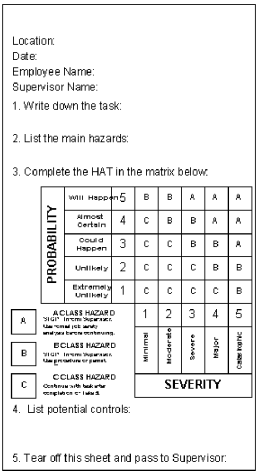
Cover



Inside Front Cover



Notepad Sheets with Watermark



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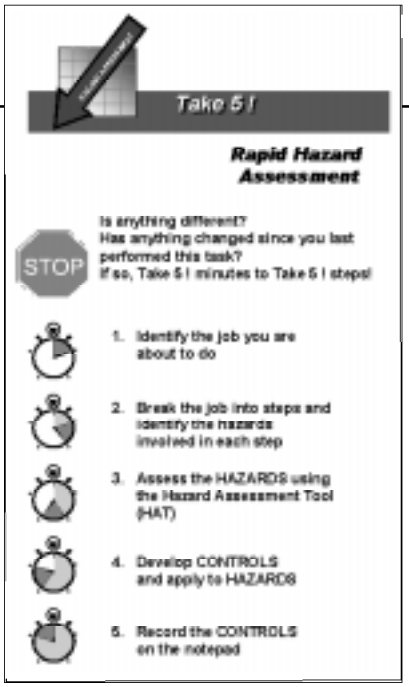

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For each hazard identified, select the appropriate severity (how bad) and probability (how likely) in the tables below.

How Bad?

	Consequence	People	Environmental	Property/ Process	Down time
1	Minimal	FAI	Small cleanup, naturally dispersed	< $1 K	< 2 hours
2	Moderate	MTI	Clean-up cost $1 K - 10K, environment restored 2 months	$1K - 10K	< 1 day
3	Severe	LTI Temporary Disability	Clean-up < 2 days Clean-up cost $10K - 100K, environment restored 2-6 months	< $100 K	1-14 days
4	Major	LTI Long Term Disability	Clean-up < 1 week Clean-up cost $100K - 1M, environment restored < 2 years	$100 K - $1 M	15-60 days
5	Catastrophic	Fatality	Clean-up < 1 month Clean-up cost > $1M, environment restored 2-5 years	>$1 M	> 60 days

How Likely?

	Chance	Certain	Probable	Likely	Not Expected	Remote	1 in a Million
Exposure	Times per year	1/10	1/100	1/1000	1/10000	1/100000	1 in a million
Constant	24000	5	5	5	4	3	2
Hours	2000	5	5	4	3	2	1
Days	240	5	4	3	2	1	1
Weeks	48	4	3	2	2	1	1
Months	11	4	3	2	1	1	1
Years	1	3	2	1	1	1	1

Proceed to the Hazard Assessment Tool

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Location:
Date:
Employee Name:
Supervisor Name:

1. Write down the task:

2. List the main hazards:

3. Complete the HAT in the matrix below:

PROBABILITY							
	Will Happen	5	B	B	A	A	A
	Almost Certain	4	C	B	B	A	A
	Could Happen	3	C	C	B	B	A
	Unlikely	2	C	C	C	B	B
	Extremely Unlikely	1	C	C	C	C	B
			1	2	3	4	5
			Minimal	Moderate	Severe	Major	Catastrophic
			SEVERITY				

A	A CLASS HAZARD STOP! Inform Supervisor. Use formal job safety analysis before continuing.
B	B CLASS HAZARD STOP! Inform Supervisor. Use procedure or permit.
C	C CLASS HAZARD Continue with task after completion of Take 5.

4. List potential controls:

5. Tear off this sheet and pass to Supervisor:

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A Practical Example …..

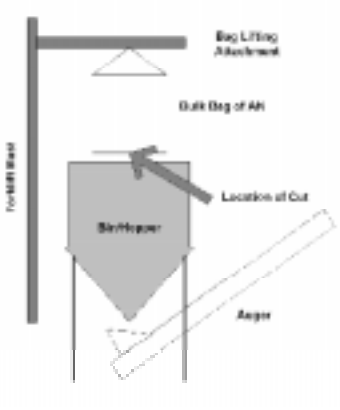
You are working on a bulk site.

With your colleagues, your team's normal task is to load AN in one tonne bulk bags, using a forklift, into a hopper which feeds an auger. Yesterday, the auger broke down.

This morning, a new auger is in place, but the old hopper didn't fit and has been replaced with one which does not have an integral work platform to stand on to cut the bottom of the bag. You cannot reach it from standing beside the hopper.

You see that you could stand on the forkift mast, and hanging onto the mast, reach under the bag and cut it …..

However, that is a really different method, so you STOP and Take 5!



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