

Nuclear Training Department

COURSE 410.2

TABLE OF CONTENTS

	Page
Worker Safety	2
Assignment	5

EMPLOYEE SAFETY IN NUCLEAR OPERATIONS BRANCH

OBJECTIVES

On completing this module, with reference to the lesson material, you will be able to:

1. Briefly explain why Ontario Hydro places a heavy emphasis on safety in the work place.
2. State the five «safety basics» for staying safe and minimizing risks while working.

## WORKER SAFETY

While we have discussed briefly performance in the five main Key Effectiveness Areas we particularly want to emphasize one of them at this point and that is Worker Safety. You will find that Worker Safety is emphasized continually during your career with Ontario Hydro.

Ontario Hydro places a heavy emphasis on safety in the work place. There are many reasons for this, both social and economic. In a social sense the values of the company, and of all of us as individuals, indicate that we, as supervisors and employees, do not want to work in an environment that accepts employee injury as routine and part of the job.

On the economic side, Ontario Hydro spends considerable sums of money in producing trained personnel. Poor safety conditions in the work place resulting in frequent accidents would deprive Ontario Hydro of the employee's talents if injuries cause frequent absences.

### Worker Safety Standards

To support a positive attitude to safety, Ontario Hydro sets standards and guidelines for worker safety. The standard says:

- 1) On average, employees at work should be safer than when they are not at work.
- 2) On average, employees at work in Nuclear Operations Branch should be as safe as the average of all Ontario Hydro employees.
- 3) On average, employees at work in Nuclear Operations Branch should be twice as safe as the average industrial employee in Ontario.
- 4) On average, employees at work in Nuclear Operations Branch should be as safe as the average employee in all Canadian utilities and as safe as the average employee in all U.S. electrical utilities.

To ascertain whether or not these standards are met they are expressed in numerical terms. The key safety targets and goals that Nuclear Operations Branch is committed to are shown below. Your instructor will review current performance.

	Branch Standard (Average of 10 years)	Branch Annual Target	Branch Goal for the year 2000 (Annual Target)
Employee Fatalities	≤ 2 per 10 <sup>8</sup> worker hours	0 occurrences	0 occurrences
Employee Permanent Disabilities	≤ 2 per 10 <sup>7</sup> worker hours	0 occurrences	0 occurrences
Temporary Total Disabilities (Lost Time Accidents)	≤ 0.4 lost time accidents per 200,000 hours worked.	≤ 0.4 lost time accidents per 200,000 hours worked.	≤ 0.2 lost time accidents per 200,000 hours worked.
Employee Risk of Disabling Injury	≤ 10 days lost per 200,000 hours worked.	≤ 10 days lost per 200,000 hours worked.	≤ 10 days lost per 200,000 hours worked.

Employee permanent disabilities are worker injuries that result in permanent total or partial incapacity.

Temporary Total Disabilities are lost time accidents or accidents that result in one or more days off from work.

It would perhaps be more instantly meaningful if some of the above figures were looked at from an individual's viewpoint. Working forty hours a week for forty years amasses a total of 83,000 working hours. If we look at the category of Temporary Total Disabilities, reaching the year 2000 goal would mean that we will have less than 1 lost time accident per 1,000,000 working hours, i.e., 12 individual working lifetimes.

These are high standards and we in Nuclear Operations Branch must strive very hard to achieve them. As of this revision date, we have had only a single fatality on the job ( a highway accident in 1990), in nearly 200 million hours of work in the Branch. This shows that the combination of a safe work place, protective equipment and safety training works.

To assist and encourage the meeting of these targets Ontario Hydro provides incentives through the provision of either free or subsidized personal protective equipment. In addition, a positive approach to safety consciousness is developed through regular safety meetings (these will form part of your initial training).

Safety is everyone's responsibility. Safe working conditions are earned, they do not happen "by accident"! You will hear the five basics of Worker Safety over and over again. They are:

- 1) Identify the hazards
- 2) Eliminate hazards - where practical
- 3) Control hazards
- 4) Protect against injuries if a hazard gets out of control
- 5) Minimize severity if injury happens.

ASSIGNMENT

1. Briefly explain, from a social and economic viewpoint, why Ontario Hydro places a heavy emphasis on
  - i) Worker safety
  - ii) Public safety.
2. What are the 5 safety basic steps that we all must take to meet standards for worker safety?
3. What is a Temporary Total Disability?