

## HEALTH PHYSICIST 1

### KIND OF WORK

Professional technical work in a radiological health and safety program.

### NATURE AND PURPOSE

An employee in this class is responsible for the technical aspects of the radiological health program, for assisting in the program of safety investigations and environmental studies involving sources of ionizing radiation, and for reviewing plans for the installation of sources of ionizing radiation and assisting in the training of radiation technicians. Work assignments and review are received from the Health Physicist 2 who directs the Section of Radiation Control.

### EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Assists the Health Physicist 2 in the development of the technical aspects of the radiation control program.

Examines plans and specifications for construction or alteration of facilities where sources of radiation will be used, and advise engineers and owners of the requirements and the safety precautions which should be taken.

Reviews reports of radiation technicians and helps them with the interpretation of their findings.

Conducts investigations of various phases of the environment to determine radioactive contamination, interpret laboratory findings, and make recommendations.

Assists with the development of an emergency plan to be implemented in the event of radiation emergency in Minnesota.

Develops preoperational monitoring programs and operational monitoring programs in connection with reactors which will be located in and near Minnesota.

Assists in the training of radiation technicians.

Keeps records and files for radiation source registration, compiles statistics, and prepares charts and tables as required.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Considerable knowledge of the principles and practices of health physics and radiation safety.

Considerable knowledge of applicable health laws, rules and regulations.

Ability to:

Make computations involving the application of health physics and radiation safety including non-ionizing radiation.

Develop a monitoring program for a reactor and to interpret the results of this program.

Prepare clear and concise technical reports of investigations and recommendations from plan reviews.

Interpret program to individuals, officials and special interest groups.

Est.: 11/71  
Ckd.: 11/92  
Rev.:

T.C.:  
Former Title(s):