

CHARLOTTE CRAWFORD  
Director



PHL  
FCC  
SCD  
DMS  
TJD

STATE OF NEVADA  
DEPARTMENT OF HUMAN RESOURCES  
HEALTH DIVISION  
BUREAU OF HEALTH PROTECTION SERVICES

Re: SP-99-074

Bureau Administration  
1179 Fairview Drive  
Suite 201  
Carson City, NV 89701-5405  
(775) 687-6353  
Fax (775) 687-5197

Public Health Engineering  
1179 Fairview Drive  
Suite 101  
Carson City, NV 89701-5405  
(775) 687-4754

Drinking Water  
State Revolving Fund  
1179 Fairview Drive  
Suite 204  
Carson City, NV 89701-5405  
(775) 687-4750

Radiological Health  
1179 Fairview Drive  
Suite 102  
Carson City, NV 89701-5405  
(775) 687-5394  
Fax (775) 687-5751

Environmental Health  
1179 Fairview Drive  
Suite 104  
Carson City, NV 89701-5405  
(775) 687-4750

Health Protection Services  
620 Beirose Street  
Suite A  
Las Vegas, NV 89107  
Engineering and Food  
(702) 486-5068  
Radiological Health  
(702) 486-5280  
Fax (702) 486-5024

Health Protection Services  
350 Elm Street  
Elko, NV 89801-3349  
(775) 753-1138/1140

Health Protection Services  
75 W. Haskell Street  
Room 38  
Vinnemucca, NV 89445  
(775) 623-6588

Health Protection Services  
55 N. Taylor Street  
Suite 189  
Elko, NV 89406-3324  
(775) 423-2281

Health Protection Services  
P. Box 939  
Elko, NV 89301-0939  
(775) 289-3325

Health Protection Services  
P. Box 667  
Elko, NV 89409-0667  
(775) 452-3307

FACSIMILE TRANSMISSION COVER SHEET

Date: 11 29 99

Content: 1 pages (including cover sheet)

To: Tom O'Brien 301 415-3502

From: STAN MARCINKU

Re: \_\_\_\_\_

Authorized signature: 

NOTE: The information contained in this facsimile message may be privileged and confidential, intended only for the use of the designated recipient named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone, and return the original message to us at the address above via the U.S. Postal Service.

Form/faxcover.frm

SP-A-4  
SP-A6-17

REC FILE CENTER COPY

PDR STPRG

- (a) A written directive for the administration; or
  - (b) A daily entry of the administered dosage or dose in the appropriate record;
  - 2. A dosage greater than 30 microcuries of sodium iodide containing iodine-125 or iodine-131, if:
    - (a) The administered dosage differs from the prescribed dosage by more than 10 percent of the prescribed dosage; and
    - (b) The difference between the administered dosage and the prescribed dosage is more than 15 microcuries;
  - 3. A therapeutic dosage of a radiopharmaceutical other than sodium iodide containing iodine-131, if the administered dosage differs from the prescribed dosage by more than 10 percent of the prescribed dosage;
  - 4. A dose of radiation during teletherapy, if the calculated weekly administered dose exceeds the weekly prescribed dose by 15 percent or more of the weekly prescribed dose; or
  - 5. A dose of radiation during brachytherapy, if the calculated administered dose differs from the prescribed dose by more than 10 percent of the prescribed dose.
- (Added to NAC by Bd. of Health, eff. 7-7-94; A 11-1-95)

**459.079 "Reference man" defined.** "Reference man" means a hypothetical aggregation of human physical and physiological characteristics established by international standards approved by the board and used by researchers and public health workers to standardize the results of experiments and to relate biological effects to a common base.

(Added to NAC by Bd. of Health, eff. 1-18-94)

**459.080 "Registrant" defined.** "Registrant" means any person who is registered with the division and who is legally obligated to register with the division pursuant to NAC 459.010 to 459.950, inclusive, and chapter 459 of NRS.

[Bd. of Health, Radiation Control Reg. § 1.2.32, eff. 2-28-80]

**459.082 "Registration" defined.** "Registration" means registration with the division in accordance with the provisions of NAC 459.010 to 459.950, inclusive, and chapter 459 of NRS.

[Bd. of Health, Radiation Control Reg. § 1.2.33, eff. 2-28-80]

**459.084 "Regulations of the Department of Transportation" defined.** "Regulations of the Department of Transportation" means the regulations in 49 C.F.R. Parts 171 to 177, inclusive.

[Bd. of Health, Radiation Control Reg. § 1.2.34, eff. 2-28-80]—(NAC A 9-6-88)

**459.085 "Released for unrestricted use" defined.** "Released for unrestricted use" means:

1. When applied to restricted areas on land or in facilities such as buildings, that all radioactive materials have been removed until the only radiation remaining is background radiation, and that after the division has given its approval, the area is no longer restricted; or
2. When applied to equipment such as tools or vehicles in a restricted area, that all radioactive material has been removed from the equipment, so that the equipment may be released from the restricted area.

(Added to NAC by Bd. of Health, eff. 11-1-95)

**459.086 "Rem" defined.** "Rem" means the special unit of any of the quantities expressed as a dose equivalent that is equal to the absorbed dose in rads multiplied by the quality factor.

[Bd. of Health, Radiation Control Reg. § 1.2.35, eff. 2-28-80]—(NAC A 9-6-88; 1-18-94)

**459.088 "Research and development" defined.** "Research and development" means:

1. Theoretical analysis, exploration or experimentation; or

2. The extension of investigative findings and theories of a scientific or technical nature into practical application for experimental and demonstrative purposes, including the experimental production and testing of models, devices, equipment, materials and processes. "Research and development" does not include the internal or external administration of radiation or radioactive material to human beings.

[Bd. of Health, Radiation Control Reg. § 1.2.36, eff. 2-28-80]

459.089 "Respiratory protective device" defined. "Respiratory protective device" means an apparatus used to reduce the intake of airborne radioactive material by a person.

(Added to NAC by Bd. of Health, eff. 1-18-94)

459.090 "Restricted area" defined. "Restricted area" means any area to which access is limited by the licensee or registrant for the purpose of protecting persons from undue risks from exposure to radiation and radioactive material. The term does not include an area used for residential quarters, although a separate room or rooms in a residential building may be set apart as a restricted area.

[Bd. of Health, Radiation Control Reg. § 1.2.37, eff. 2-28-80]—(NAC A 1-18-94)

459.092 "Roentgen" defined. "Roentgen" (R) means a special unit of exposure. One roentgen equals  $2.58 \times 10^{-4}$  coulombs per kilogram of air.

[Bd. of Health, Radiation Control Reg. § 1.2.38, eff. 2-28-80]

459.093 "Sanitary sewerage" defined. "Sanitary sewerage" means a system of public sewers for carrying off waste water and refuse. The term does not include sewage treatment facilities, septic tanks or leach fields owned or operated by a licensee.

(Added to NAC by Bd. of Health, eff. 1-18-94)

459.094 "Sealed source" defined. "Sealed source" means radioactive material that is permanently bonded or fixed in a capsule or matrix designed to prevent release and dispersal of the radioactive material under the most severe conditions which are likely to be encountered in normal use and handling.

[Bd. of Health, Radiation Control Reg. § 1.2.39, eff. 2-28-80]

459.095 "Shallow-dose equivalent" defined. "Shallow-dose equivalent" means the dose equivalent to the skin or an extremity that is measured at a depth of 0.007 centimeter and averaged over an area of 1 square centimeter.

(Added to NAC by Bd. of Health, eff. 1-18-94)

459.096 "Source material" defined. "Source material" means:

1. Uranium or thorium, or any combination thereof, in any physical or chemical form; or
2. Ores which contain by weight one-twentieth of one percent (0.05 percent) or more of uranium or thorium, or any combination thereof. Source material does not include special nuclear material.

[Bd. of Health, Radiation Control Reg. § 1.2.40, eff. 2-28-80]

459.098 "Source of radiation" defined. "Source of radiation" means any radioactive material, or any device or equipment emitting or capable of producing radiation.

[Bd. of Health, Radiation Control Reg. § 1.2.41, eff. 2-28-80]