

FORT ST. VRAIN (FSV) EMERGENCY RESPONSE PLAN (ERP) APPENDIX G EXPOSURE CRITERIA FOR EMERGENCY WORKERS	Identifier: PLN-143
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Fort St. Vrain	Plan	For Additional Info: http://EDMS	Effective Date: 03/23/07
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Manual: 16B – Emergency Management – Fort St. Vrain (FSV)

Change Number: 316940

Appendix G

Situation	Whole Body Dose Limit ^b
1. All emergency duties should be limited to this exposure value to the extent practicable.	5 rem (0.05 Sv)
2. Protect major property (when lower dose limit is not practicable).	10 rem (0.1 Sv)
3. Life saving missions (e.g., search and rescue of injured people) or protection of large populations (when lower dose limit is not practicable).	25 rem (0.25 Sv) ^c

NOTES:

- a. *In addition to facility employees, workers who may incur increased levels of exposure under emergency conditions may include those employed in law enforcement, firefighting, radiation protection, civil defense, traffic control, health services, environmental monitoring, transportation services, and animal care.*
- b. *Above is the sum of external effective dose equivalent and committed effective dose equivalent to nonpregnant adults from exposure and intake during an emergency situation. Workers performing services during emergencies should limit dose to the lens of the eye to 3 times the listed value and doses to another organ (including skin and body extremities) to 10 times the listed value. These limits apply to all doses from an incident except those received in unrestricted areas as members of the public during the intermediate phase of the incident.*
- c. *Situations may rarely occur in which a dose in excess of 25 rem (0.25 Sv) for emergency exposure would be unavoidable in order to carry out a lifesaving operation or to avoid extensive exposure of large populations. However, persons undertaking any emergency operation in which the dose will exceed 25 rem (0.25 Sv) to the whole body must do so only on a voluntary basis and with full awareness of the risks involved, including the numerical levels of dose at which acute effects of radiation will be incurred and numerical estimates of the risk of delayed effects (See Appendix H).*