

1.0 INTRODUCTION

The South Dakota Department of Environment and Natural Resources (department) is responsible for ensuring petroleum releases capable of impacting human health and the environment are reported, investigated and cleaned up to state standards. The Ground Water Quality Program within the department is responsible for guiding the responsible parties in their efforts to cleanup their releases to state standards. A responsible person is a person, business, or public entity responsible for the release of a substance that could impact human health or the environment.

This handbook is a guide to the procedures, policies, and requirements associated with a release of a petroleum substance that could impact human health or the environment of South Dakota. It also provides details on the requirements of reporting, investigating, and cleaning up the release. Some circumstances related to a petroleum release may not be covered in this handbook. If such a situation arises, the responsible person will need to contact the Ground Water Quality Program at 605-773-3296 to receive additional guidance.

This handbook is also available by downloading it from the Internet. The address is:
<http://www.state.sd.us/denr/des/ground/groundprg.htm>

1.1 Handbook Chapter Summary

A brief description of the handbook chapters is presented below:

Chapter 1 – Introduction: Describes the purpose of the handbook, the petroleum certification requirements for working on a petroleum release, and financial assistance available from the Petroleum Release Compensation Fund.

Chapter 2 – Reporting Requirements for a Petroleum Release: Provides information on what a reportable petroleum release is and how to properly report it.

Chapter 3 – Steps Taken After A Petroleum Release is Reported: Provides details on what the department needs to know about the magnitude and extent of the petroleum release. Describes the actions a responsible party must take regarding the immediate response to the petroleum release.

Chapter 4 – Tier Assessments: Describes the tiered assessment process the department uses for investigating petroleum releases. Information on the three tiers and the requirements for each tier is explained.

Chapter 5 – Remedial Action Requirements: Provides a summary of the department's accepted technologies used to clean up petroleum releases. Details on tank system removal and abandonment are also provided.

Chapter 6 – Monitoring Requirements and Periodic Monitoring: Describes the department's requirements for groundwater monitoring for petroleum releases. Information on well installation, well placement, and sampling schedules is provided.

Chapter 7 – Air Monitoring: Describes the department’s requirements for air monitoring for petroleum releases. Information is discussed on vapor surveys, soil gas sampling, vapors in utilities and structures.

Chapter 8 – Report Requirements: Describes the information required in a Tier 1, Tier 2, and Tier 3 report.

Chapter 9 – Investigation and Construction Derived Contaminated Material: Describes what must be done with petroleum contaminated soil and water that is removed from the ground during any type of investigation or excavation work. Options for the proper disposition of the soils are listed and department contacts are given.

Chapter 10 – Site Closure Requirements: Provides the conditions and state standards that need to be met before the department will approve closure or inactive closure for a release.

1.2 Financial Assistance for Petroleum Releases

The South Dakota Petroleum Release Compensation Fund (PRCF) was established to meet the federal and state financial responsibility requirements for tank owners, and to provide financial assistance to responsible persons for corrective actions at petroleum release sites. In many instances, a responsible person may qualify for reimbursement for activities covered by the PRCF. To ensure the activities performed are eligible for reimbursement, contact the PRCF for information prior to initiating work at a site. The PRCF telephone number is 605-773-3769.

1.3 Certification Requirements for Petroleum Releases

The state of South Dakota has administrative rules requiring a person be certified to perform work on petroleum releases. For further information concerning this certification program contact the South Dakota State Commission of Engineering, Architectural & Land Surveying Examiners at 605-394-2510.