

New York State Department of Health Basic Environmental Health Program

SANITARY SURVEY of a NONCOMMUNITY PUBLIC WATER SUPPLY Field Exercise Instructions

Assignment

To insure that the exercise will be as useful as possible, *the supervisor and mentor* must review these instructions, the **Basic Environmental Health Program Field Exercise Guidelines** and the exercise's **Field Assignment Report** form prior to selecting the water system to be surveyed. The student's *supervisor* must arrange for the **student to accompany a qualified mentor** on a sanitary survey of a **noncommunity** public water system with one or more **ground water sources and disinfection treatment**. The sanitary survey may be conducted in conjunction with a full inspection of a permitted facility, or it may be conducted as a separate inspection. The intention of the exercise is to *introduce the student to the concepts and procedures* of a sanitary survey. Students are not expected to be able to independently perform sanitary survey related activity without substantial additional training and mentoring.

The student should assist or shadow the mentor in all aspects of the survey, including:

- review of file information prior to the survey (facility description, compliance history, etc.)
- field inspection of the source, treatment, and operational status
- completion of appropriate documentation related to the survey findings (including a Water System Field Compliance Report form DOH 4234; and related SDWIS data entry)
- follow-up activity in response to violations or problems found during the survey.

Upon completion of the Field Assignment Report form, the student, mentor, and the student's supervisor must sign the affirmation at the bottom of the report. **Completed Field Assignment Report forms must be submitted to:**

School of Public Health
One University Place
Rensselaer, NY 12144 or faxed to (518) 402-1137.

prior to the Concepts of Water Supply Protection class. (This instruction page should be detached prior to submission.) The student should **retain a copy of the completed report and bring it to class for potential discussion.**

Learning Objectives

After completing this assignment, the student will be able to:

- Identify system components of a noncommunity public water system (NCWS) with a ground water source and basic water disinfection treatment (chlorination and/or ultraviolet);
- Determine if a NCWS is in compliance with routine monitoring requirements;
- Describe examples of violations and significant deficiencies typically found at a NCWS;
- Describe ground water source protection issues;
- Understand basic public water supply inventory and record keeping system concepts;
- Describe violation response procedures.

Questions on this exercise may be referred to Dennis Croswell, Division of Environmental Health Protection [518-402-7731, or ddc04@health.state.ny.us].

Field Assignment Report

Sanitary Survey of a Noncommunity Public Water Supply (PWS)

*Supervisor, mentor, and student should refer to the **Instructions** page prior to beginning the exercise.*

Student Name: _____

Health Department Unit: _____ Sanitary Survey Date: __ __ __

PWS Name: _____ PWS ID# _____

Type of Facility Served by this PWS: (restaurant, campground, etc.) _____

A) **PREPARATION AND FILE REVIEW** – The mentor provides an introduction to the basic SSC Part 5 requirements that apply to a **noncommunity PWS with disinfection treatment** (approval of new sources and treatment, microbiological and nitrate monitoring, minimum treatment, treatment monitoring and operation reports, reporting emergencies). With the mentor’s assistance, the student reviews the file of the selected facility and answers the following questions.

1. **Describe** the water source(s) [well type, depth, yield].

2. Has the source been evaluated for potential Ground Water Under the Direct Influence of Surface Water (GWUDI) ?

YES ___ NO ___

3. **Describe** the treatment provided at this system (i.e. chlorination, UV, filtration)

4. Has the PWS submitted operation report forms as required during this period?

YES ___ NO ___ (explain)

5. For the previous 12 months, has the PWS conducted required water quality monitoring (microbiological & nitrate, and any other required routine testing), and have the results been satisfactory ?

YES ___ NO ___ (explain)

6. Does the record show any outstanding water violations or correction orders?

NO ___ YES ___ (explain)

B) **FIELD VISIT OBSERVATIONS** – The student accompanies the mentor on a field inspection of the PWS. During the inspection, he/she observes completing a Water System Field Compliance Report (DOH form 4234), observes as the form 4234 is provided to the operator, and makes observations to answer the following questions (continue on page 2).

