

Chapter 8 Checklists

Checklists facilitate the implementation of the site well array O&M plan by providing site personnel with concrete tasks and schedules. Checklists for the following may be found in Appendix D.

8-1 Type and Frequency of Data to be Collected

Checklists should include daily and totalized flows, pressure per well, and other data (pH, drawdown). Consult Chapter 5 for frequencies.

8-2 Well Maintenance Log

Table 8-1 lists the recommended information to be logged during a PM treatment event.

Table 8-1. PM Treatment Log Items

| Data types | Description |
|-----------------------------------|---|
| Physical properties | Well identification and diameter, depth to screen, screen interval, total depth |
| Remediation measures | Type and amount of chemical used, surging method and times |
| Related measurements | Periodically and before and after remediation -- Amount and identification of sedimentation Flow Well drawdown Piezometer drawdowns |
| | Power data and notations on instrumentation |
| Notes on repairs and replacements | Modifications to the well structure and all equipment data |
| Related comments | All potentially pertinent information (weather, delays, equipment problems, discussions over methods, change orders) |
| Itemization of costs | For budgeting and future reference. |

8-3 O&M Calculation Work Sheet

Specific formula calculation sheets should be provided, specific to the wells to be treated. See Section 6-1 and Appendix C for chemical and treatment choice information.

8-4 Other Records

a. Field data sheets. As discussed in Chapter 2, drawdown and flow sheets should be developed for routine field data collection and should include all relevant data columns. A variety of examples exist from text, government, and commercial sources.

b. Cost-effectiveness calculation spreadsheets. Sutherland, Howsam, and Morris (1994) provides cost-effectiveness work sheets and spreadsheets adaptable for HTRW site use.

c. Work orders. Most organized sites generate work orders for activities such as PM well treatment or equipment repair. These may be paper forms or generated in software maintenance management systems.