LUCIP for the P-Area Burning/Rubble Pit, 131-P

Appendix E of Post-Construction Report for the P-Area Burning/Rubble Pit, 131-P

WSRC-RP-2004-4051, Revision.1, September 2004
This page was intentionally left blank.
APPENDIX E

LAND USE CONTROL IMPLEMENTATION PLAN

FOR THE

P-AREA BURNING RUBBLE PIT (PBRP)

The post-construction as-built configuration has been added to the PBRP LUCIP that was originally submitted with the PBRP CMI/RAIP (WSRC 2003a). Per agreement with the USEPA and SCDHEC, when LUCIPs are appended to the PCR, the LUCIPs will retain the original format in effect when the CMI/RAIP was submitted.
Land Use Control Implementation Plan

for the

P-Area Burning Rubble Pit (PBRP)

This P-Area Burning Rubble Pit (PBRP) Land Use Control Implementation Plan (LUCIP) will be appended to the Savannah River Site (SRS) Land Use Control Assurance Plan (LUCAP). The United States Department of Energy (USDOE) is responsible for implementing the land use controls (LUCs) (e.g., inspections, maintenance, etc.) outlined in this unit-specific LUCIP.

The selected remedy leaves hazardous substances in place that pose a potential future risk and will require land use restrictions for an indefinite period of time. As negotiated with the United States Environmental Protection Agency (USEPA), and in accordance with USEPA Region IV policy (Johnston 1998), SRS has developed a LUCAP (WSRC 2002b) to ensure that land use restrictions are maintained and periodically verified. This LUCIP provides detailed and specific measures required for the LUCs selected as part of this remedy. USDOE is responsible for implementing, maintaining, monitoring, reporting upon, and enforcing the LUCs herein. Upon final approval, the LUCIP will be appended to the LUCAP and is considered incorporated by reference into the Post-Construction Report/Final Remediation Report (PCR/FRR), establishing LUC implementation and maintenance requirements enforceable under the Comprehensive Environmental Response, Compensation, and Recovery Act (CERCLA). The approved LUCIP will establish implementation, monitoring, maintenance, reporting, and enforcement requirements for the unit. The LUCIP will remain in effect until modified as needed to be protective of human health and the environment. LUCIP modification will only occur through another CERCLA document.

The post-construction as-built configuration has been added to the PBRP LUCIP that was originally submitted with the PBRP CMI/RAIP (WSRC 2003a). Per agreement with the
USEPA and SCDHEC, when LUCIPs are appended to the PCR, the LUCIPs will retain the original format in effect when the CMI/RAIP was submitted.

SRS will maintain institutional controls in accordance with the LUCAP (WSRC 2002b). The LUCAP states that the land use for the PBRP OU will be maintained for industrial land use only. Institutional controls will remain in place as long as the risk is greater than $1 \times 10^{-6}$ and there is a threat to the environment.

1.0 REMEDY SELECTION

1.1 PBRP Operable Unit

The PBRP operable unit (OU) is located in the central portion of SRS, west of the P-Reactor facility. The PBRP is in an open area with sparse vegetative cover. The land surface at PBRP slopes gently to the south. Approximately 45.7 m (150 ft) to the south of the unit is a steep embankment of Steel Creek. The embankment drops 7.6 m (25 ft) in elevation over a lateral distance of 30.5 m (100 ft). The embankment is punctuated by a terrace located 3.0 m (10 ft) above the elevation of Steel Creek. The terrace is 7.6 m (25 ft) wide and contains a seep line. Steel Creek is at the base of the embankment. As outlined in the Savannah River Site Future Use Project Report (USDOE 1996b), USDOE has taken steps to prohibit residential use of SRS, including land in the vicinity of the P-Reactor Area, through its plan for current and future use of SRS. Therefore, future residential use of the area is not anticipated.

The Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI)/Remedial Investigation (RI)/Baseline Risk Assessment (BRA) determined that there is no problem (there are no refined constituents of concern [RCOCs]) warranting additional or separate action for the small drainage ditch near PBRP, the seepline located along an embankment of Steel Creek, or the segment of Steel Creek located adjacent to the PBRP OU; therefore, no subunit-specific action(s) were warranted under the Record of Decision (ROD) for these three areas. The ditch and seepline subunits do not appear to
have been contaminated. Although Steel Creek as a whole is contaminated, no subunit-specific action was warranted under the ROD for the portion of this surface water within the PBRP OU. This contamination did not originate from PBRP and contamination in Steel Creek is being addressed separately under the integrator operable unit program. Action was found to be warranted only for the PBRP and the groundwater.

USDOE, USEPA, and SCDHEC agree that industrial land use restrictions are appropriate for the PBRP OU. Industrial land use restrictions will include LUCs to ensure protection against unrestricted (residential) uses. The future land use of the PBRP OU is anticipated to be the same as the current land use (industrial use and control by the federal government).

A Remedial Action Fact Sheet summarizing project background, environment concerns, and environmental actions and plans is included as Appendix A of the PBRP CMI/RAIP (WSRC 2003a).

1.2 Nature and Extent of Contamination in PBRP

Soil

The PBRP unit investigation confirmed that miscellaneous inert debris remains buried in the pit. Soil contaminants within the pit include inorganics, semi-volatile organic constituents (SVOCs), volatile organic compounds (VOCs), and polychlorinated biphenyls (PCBs). Soils around the perimeter of the pit are generally uncontaminated. However, there are a few places around the perimeter of the pit where low levels of unit-related contamination are present. The human health RCOCs were limited to polycyclic aromatic hydrocarbons (PAHs) (See Note 1 on Table E-1 for a specific list of PAHs.) No ecological RCOCs were identified in the PBRP investigation. There are no RCRA-listed or characteristic wastes at the unit. The volume of contaminated soil is 3,500 yd³.
The contaminant fate and transport modeling indicates that nine constituents at PBRP present a contaminant migration (leachability) threat to groundwater. The contaminant migration RCOCs include antimony, chromium, copper, nickel, zinc, dibenzofuran, tetrachloroethene (PCE), trichloroethene (TCE), and PCB-1242. These constituents are predicted to exceed maximum contaminant levels (MCLs) or risk-based concentrations (RBCs) within 1,000 years.

Table E-1 lists the final contaminant migration (CM) and Human Health (HH) RCOCs and risks at the OU (WSRC 2002a). There is no principal threat source material (PTSM) (highly mobile or highly toxic source materials that require a bias toward treatment alternatives) at PBRP. The contamination is largely isolated by backfill with its exposure limited by land use restrictions; the waste is categorized as a low-level threat.

**Groundwater**

There is no discernable contaminant plume in the groundwater, and detections above MCLs are sporadic and limited to the water table aquifer (i.e., shallow unconfined aquifer). The groundwater RCOCs were 1,1-dichloroethene (DCE) and TCE. DCE was detected above its MCL of 7 μg/L in well PRP-6 in one of four sampling events (9.29 μg/L in January 2001) and in well PRP-7 in one of four sampling events (7.13 μg/L in November 1999). TCE was detected above its MCL of 5 μg/L in well PRP-7 in one of four sampling events (15.9 μg/L in November 1999). In accordance with the ROD, the groundwater will be monitored to verify that concentrations of DCE and TCE continue to decline and that a discernable plume above MCLs does not develop. This will be achieved by continued quarterly monitoring of selected existing wells (PRP-5, PRP-6, and PRP-7) for PCE, TCE, DCE, and vinyl chloride (VC).

The Land Use Control Implementation Plan Survey Plat (Attachment B) shows the locations of the selected wells at PBRP. If four quarters of no MCL exceedances are observed, sampling will be reduced to semi-annual sampling. Reporting will be annually beginning in September 2005. Sampling will continue until there are no MCL
exceedances in the downgradient wells (PRP-6 and PRP-7) for a period of three consecutive years (six semi-annual sampling events). Section 2.1.3 details groundwater institutional controls.

The volume of contaminated groundwater cannot be defined; there is no discernable contaminant plume. Table E-1 reports the risks associated with the groundwater RCOCs (i.e., DCE and TCE) (WSRC 2002a). There is no PTSM in groundwater. There is no free product (non-aqueous phase liquids).

1.3 Remedial Action Overview

Based upon the characterization data and risk assessments in the RFI/RJ/BRA (WSRC 2001), the RAOs, and the evaluation of alternatives, the ROD (WSRC 2002a) selected remedy for PBRP is Alternative PBRP2 (Engineered Cover System with BaroBall™ Wells, Natural Biodegradation, and Institutional Controls). The ROD selected remedy for groundwater is Alternative GW2 (Continued Monitoring and Reporting) (i.e., wells PRP-5, -6 and -7). The conceptual site model (CSM) from the ROD has been revised and is included to illustrate the broken pathways with the OU after implementation of the remedy (Figure E-1).

Site maintenance will consist of repair of erosion damage, maintenance of drainage features, maintenance of wells PRP-5, -6 and -7, and maintenance of the soil cover integrity to maintain the effectiveness of the cover at mitigating infiltration and leaching. Site maintenance will also include maintenance of signs around the unit.
Figure E-1. Conceptual Site Model for the PBRP with Remedy Applied
Table E-1. Summary of Risks and Hazards

<table>
<thead>
<tr>
<th>RCOC</th>
<th>Type of RCOC</th>
<th>Location of Maximum</th>
<th>Depth of Maximum (ft bgs)</th>
<th>Summary of Risks</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBRP Soil</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antimony (Sb)</td>
<td>CM</td>
<td>PBRP-04</td>
<td>6-9</td>
<td>Predicted to exceed MCL in 612 years. Max groundwater concentration (10X MCL) in 800 yrs</td>
</tr>
<tr>
<td>Chromium (Cr)</td>
<td>CM</td>
<td>PBRP-05</td>
<td>6-9</td>
<td>Predicted to exceed MCL in 422 years. Max groundwater concentration (30X MCL) in 830 yrs</td>
</tr>
<tr>
<td>Copper (Cu)</td>
<td>CM</td>
<td>PRBP 05</td>
<td>9-12</td>
<td>Predicted to exceed MCL in 489 years. Max groundwater concentration (5X MCL) in 860 yrs</td>
</tr>
<tr>
<td>Nickel (Ni)</td>
<td>CM</td>
<td>PBRP-01</td>
<td>6-9</td>
<td>Predicted to exceed MCL in 232 years. Max groundwater concentration (3X MCL) in 430 yrs</td>
</tr>
<tr>
<td>Zinc (Zn)</td>
<td>CM</td>
<td>PBRP-01</td>
<td>6-9</td>
<td>Predicted to exceed RBC in 232 years. Max groundwater concentration (4X RBC) in 450 yrs</td>
</tr>
<tr>
<td>Benzo(a)anthracene *</td>
<td>HHeast, res</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Future Industrial Worker Risk = up to 5 x 10^{-5}, Hypothetical Resident Risk = up to 2 x 10^{-6}</td>
</tr>
<tr>
<td>Benzo(a)pyrene *</td>
<td>HHeast, res</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Current Worker Risk = up to 1 x 10^{-6}, Future Industrial Worker Risk = up to 5 x 10^{-6}</td>
</tr>
<tr>
<td>Benzo(b)fluoranthene *</td>
<td>HHeast, res</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Hypothetical Resident Risk = up to 2 x 10^{-6}</td>
</tr>
<tr>
<td>Benzo(k)fluoranthene *</td>
<td>HHeast, res</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Hypothetical Resident Risk = up to 2 x 10^{-6}</td>
</tr>
<tr>
<td>Chrysene *</td>
<td>HHeast</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Hypothetical Resident Risk = up to 2 x 10^{-6}</td>
</tr>
<tr>
<td>Dibenzo(a,h)anthracene *</td>
<td>HHeast, res</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Future Industrial Worker Risk = up to 7 x 10^{-3}, Hypothetical Resident Risk = up to 3 x 10^{-4}</td>
</tr>
<tr>
<td>Dibenzo(a,h)anthracene *</td>
<td>HHeast, res</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Hypothetical Resident Risk = up to 3 x 10^{-4}</td>
</tr>
<tr>
<td>Fluoranthene *</td>
<td>HHeast</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Hypothetical Resident Hazard = up to 0.14</td>
</tr>
<tr>
<td>Indeno(1,2,3-c,d)pyrene *</td>
<td>HHeast, res</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Future Industrial Worker Risk = up to 2 x 10^{-5}, Hypothetical Resident Risk = up to 1 x 10^{-4}</td>
</tr>
<tr>
<td>Phenanthrene *</td>
<td>HHeast</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Hypothetical Resident Hazard = up to 0.16</td>
</tr>
<tr>
<td>Pyrene *</td>
<td>HHeast</td>
<td>PBRP-01</td>
<td>0-1</td>
<td>Hypothetical Resident Hazard = up to 0.16</td>
</tr>
<tr>
<td>Tetrachloroethene (PCE)</td>
<td>CM</td>
<td>PBRP-04</td>
<td>15-18</td>
<td>Predicted to exceed MCL in 5 years. Max groundwater concentration (15X MCL) in 6 years</td>
</tr>
<tr>
<td>Trichloroethene (TCE)</td>
<td>CM</td>
<td>PBRP-04</td>
<td>15-18</td>
<td>Predicted to exceed MCL in 4 years. Max groundwater concentration (10X MCL) in 4 years</td>
</tr>
<tr>
<td>PCB-1242</td>
<td>CM</td>
<td>PBRP-04</td>
<td>12-15</td>
<td>Predicted to exceed MCL in 428 years. Max groundwater concentration (9X MCL) in 500 years</td>
</tr>
</tbody>
</table>

**Groundwater**

| 1,1-Dichloroethene (DCE) | ARAR, HHeast, ind | PRP-6 | N/A | Exceeds MCL by 1.3X |
| Trichloroethene (TCE)    | ARAR, HHeast     | PRP-7 | N/A | Exceeds MCL by 3X |

ARAR = applicable or relevant and appropriate requirement (ARAR) RCOC  
CM = Contaminant Migration RCOC  
HHeast = Human health RCOC for the current on-unit worker  
HHeast, ind = Human health RCOC for the future industrial worker  
HHeast = Human health RCOC for the future on-unit resident  
RBC = Risk Based Concentration  
MCL = maximum contaminant level  
bls = below land surface  

**Ecological:**  
No RCOCs  
**PTSM:** No PTSM.  
* Note 1: All soil HH RCOCs listed above are hereafter referred to as polycyclic aromatic hydrocarbons (PAHS).
2.0 LAND USE CONTROLS

To ensure the protectiveness of the remedy described above, the PBRP OU land-use control objective is to

- prevent contact, removal, or excavation of buried waste in the OU areas designated in the LUCIP and preclude future residential or agricultural use of the area.

- maintain the use of the site for industrial activities only.

Current access controls and a deed notification needed to maintain the future LUCs are described in the following sections of this LUCP.

2.1 Access Controls

2.1.1 On-Site Workers

In accordance with WSRC 1D, *Site Infrastructure and Services Manual*, Procedure 3.02, "Site Real Property Configuration Control," use of all lands and waters on SRS shall be coordinated via the Site Use Program. All employees, contractors, and visitors to SRS must comply with the Site Use Program. This program ensures that all work performed on SRS that adds, modifies, or removes features portrayed on the SRS development maps is authorized. No use of land (i.e., excavation or any other land use) shall be undertaken without prior approval documented by a Site Use Permit. This authorization is obtained through the completion of a Site Clearance Request Form. Also, in accordance with WSRC 1D, Procedure 3.02, all work at SRS that adds to or modifies features or facilities portrayed on SRS development maps (i.e., plot plans of facilities/utilities at SRS) will be authorized by a Site Clearance Permit before any excavation activities are conducted. All Site Clearance requests will be reviewed to verify that either an approved Site Use Permit has been obtained or that an existing Site Use Permit has sanctioned the request.
The SRS, specifically the Site Development, Planning, and Mapping Department, is responsible for updating, maintaining, and reviewing site maps, including FFA OU identifications. If a site clearance request is made that may impact an FFA OU, the Site Clearance Request Form is sent for either approval or disapproval to an FFA OU reviewer who is in the Soil and Groundwater Closure Projects (SGCP). The roles and responsibilities of each individual are detailed in WSRC 1D, Procedure 3.02. Verification of USDOE approval for intended land use must be obtained before issuance of a Site Clearance Permit. The Site Use and Site Clearance processes are applicable to all activities and personnel on site (including subcontractors).

The processes are controlled within the SRS Quality Assurance (QA) Program. The SRS QA Program is the governing QA Program for all SRS activities, including those in SGCP. The activities that are performed in the SGCP must comply with SRS QA Program procedures as well as SGCP-specific procedures.

SRS identifies all buildings and facilities on maps used in the Site Use/Site Clearance Program. This waste unit is identified on these maps as a CERCLA facility.

Any work proposed in these areas will be strictly controlled, and workers will be appropriately trained and briefed about health and safety requirements if work is deemed necessary for maintenance. No major change in land use or excavation at the PBRP OU shall be undertaken without USEPA and SCDHEC approval. To prevent unknowing entry and to ensure that unrestricted use of the waste unit does not occur while it is under ownership of the government, access control warning signs will be posted at the unit. They will be posted at each entrance to the restricted portion of the unit and at other appropriate locations in sufficient numbers to be seen from any approach. Custodial responsibilities for maintenance and inspection of the PBRP OU will be maintained by the Post-Closure Maintenance group within the SGCP. The access control warning signs for the soil cover will be legible from a distance of at least 25 ft. The soil cover signs will read as follows:
P-Area Burning Rubble Pit (131-P)

DANGER - Unauthorized Personnel

KEEP OUT

This waste unit was used to manage hazardous substances.
Do not dig or excavate.
Do not enter without contacting the waste site custodian.
Custodian: Manager, Post-Closure Maintenance

Contact Phone:
(See current phone number on the warning signs at the OU site)

2.1.2 Trespassers

While under the ownership of USDOE, access control of the entire SRS will continue to be maintained in accordance with the 1992 Resource Conservation Recovery Act (RCRA) Part B Permit Renewal Application, Volume I, Section F.1 (WSRC 1992). This section describes the 24-hour surveillance system (R.61-79.264.14(b)(1)), artificial or natural barriers (R.61-79.264.14(b)(2)(i)), control entry systems (R.61-79.264.14(b)(2)(ii)), and warning signs (R.61-79.264.14(c)) in place at the SRS boundary to comply with the security requirements for a RCRA-permitted facility.
2.1.3 *Groundwater Institutional Controls*

Groundwater institutional controls will be implemented as long as concentrations exceed MCLs. Institutional controls will be implemented by the following:

- Performing environmental monitoring of wells PRP-5, -6 and -7.
- Providing access controls for on-site workers via the Site Use/Site Clearance Program, work control, worker training, worker briefing of health and safety requirements, and identification.
- The posting of signs at the waste unit access points to provide a visible indication of the presence of hazardous materials.
- Preventing unauthorized groundwater usage via the Site Use/Site Clearance Program land use restrictions.
- Notifying the USEPA and SCDHEC of any changes in use or disturbance of waste observed during site inspections.
- Providing access controls against trespassers per Section 2.1.2.

2.2 *Deed Notification*

In the long-term, if the property is ever transferred to non-federal ownership, the U.S. Government will take those actions necessary pursuant to Section 120(h) of CERCLA. Those actions will include a deed notification disclosing former waste management and disposal activities as well as remedial actions taken on the site. The contract for sale and the deed will contain the notification required by CERCLA Section 120(h). The deed notification shall, in perpetuity, notify any potential purchaser that the property has been used for the management and disposal of waste. These requirements are also consistent with the intent of the RCRA deed notification requirements at final closure of a RCRA facility if contamination will remain at the unit.
The deed shall also include deed restrictions precluding residential use of the property. However, the need for these deed restrictions may be re-evaluated at the time of transfer in the event that exposure assumptions differ or residual contamination no longer poses an unacceptable risk under residential use. Any re-evaluation of the need for the deed restrictions will be done through an amended ROD with USEPA and SCDHEC review and approval.

In addition, if the site is ever transferred to non-federal ownership, a survey plat of the OU will be prepared, certified by a professional land surveyor, and recorded with the appropriate county recording agency.

2.3 Field Walkdowns and Maintenance for Institutional Controls

After the remediation of the PBRP, only well monitoring and maintenance activities, outlined in the PBRP ROD (WSRC 2002a), will be required per this remedial action. No operations other than well monitoring will be required.

The results of any events and or actions that indicate some potential compromise of institutional controls will be documented in the FFA Annual Progress Report. All other routine maintenance activities will be documented and maintained in files subject to USEPA and SCDHEC review and audit. A copy of the completed inspection form is maintained in the SGCP Administrative Record Files.

The following steps will be implemented to maintain the low permeability soil cover:

- Perform periodic (annual) visual inspections for evidence of damage to the soil cover due to erosion or intrusion by burrowing animals. The inspection will also address upkeep of the vegetative cover and access control barriers (e.g., the warning signs). (Attachment A provides a unit-specific inspection data sheet for the PBRP OU).

- Perform necessary repairs (when required as identified during inspection) to maintain the functional integrity of the soil cover, selected wells, and the warning signs.
- Enforce SRS institutional controls by restricting access to the closed waste unit. Institutional controls will be maintained as long as the waste remains a threat to human health or the environment.

- As required by the National Oil and Hazardous Substance Contingency Plan (NCP), a five-year review of the remedy for the PBRP unit will be performed as long as the waste remains a threat to human health or the environment.

The waste site inspectors are to be trained in Hazardous Waste Operations and Emergency Response (i.e., HAZWOPER), RCRA Well Inspections, RCRA Waste Unit Inspections, Radiological Workers, etc., as applicable for the specific inspection. They will also be trained based on the individual requirements of the regulatory approved closure documents for each waste unit. In addition, the inspectors are to attend yearly refresher courses. No single person will conduct all of the inspections or grass cutting operations over the years.

This unit-specific LUCIP, including the checklist, will be appended to the SRS LUCAP.

Per Section 3.6 of the LUCAP, this LUCIP identifies the area under land-use restriction via a survey plat. Note: The Land Use Control Implementation Plan Survey Plat (Attachment B) includes a line marked "AREA SUBJECT TO LAND USE CONTROLS" to define the area subject to LUCs. As agreed, if there is a groundwater component in the OU, the conceptual sketch would depict a line marker "Current Estimated Location of the Groundwater Plume Subject to Land Use Controls." As stated earlier in Section 1.2, Groundwater, there is no discernable contaminant plume in the groundwater; therefore the current Survey Plat will not have a line marker. However, an updated Survey Plat with a line marker will be issued in the future, should conditions warrant as a result of groundwater monitoring data analysis.

If the OU is ever transferred to non-federal ownership, a survey plat of the area, prepared by a certified professional land surveyor, will be recorded with the county recording agency.
APPENDIX E

ATTACHMENT A

SGCP INSPECTION DATA SHEET FOR P-AREA BURNING RUBBLE PIT
SGCP ANNUAL INSPECTION DATA SHEET
FOR P-AREA BURNING RUBBLE PIT

<table>
<thead>
<tr>
<th>A = Satisfactory</th>
<th>X = Unsatisfactory (Explanation required)</th>
<th>A or X</th>
<th>Comments or Corrective Action Taken (See Maintenance Register for Corrected Items)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Verify that the waste unit signs have the correct information and are legible from at least 25 feet. Remove vegetation blocking the sign.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Verify that the wells and roads are accessible.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Verify there is no unauthorized digging, excavation, or construction activities on the soil cover.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Check the vegetative cover for density. Verify there are no bare spots greater than 9 ft² in area. The height of the vegetative cover should not impair the visual inspection of the soil cover. This will be determined by the inspector.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Verify that no woody vegetation is growing on the soil cover. Remove or identify as required.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Check the unit for evidence of erosion or subsidence (depressions).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Check for signs of burrowing animals (holes).</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### SGCP ANNUAL INSPECTION DATA SHEET

FOR P-AREA BURNING RUBBLE PIT (Continued)

<table>
<thead>
<tr>
<th>A = Satisfactory</th>
<th>A or X</th>
<th>Comments or Corrective Action Taken (See Maintenance Register for Corrected Items)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X = Unsatisfactory (Explanation required)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8. Inspect monitoring wells PRP-5, -6, and -7.

9. Check OU boundary for presence of excessive erosion, carrying material outside the monument marker boundaries.

**Comments:**

| Inspected by: __________________ / __________________ Date: __________ Time: __________ |
|--------------------------|---------------------|
| (Print Name)             | (Signature)         |

| Reviewed by: __________________ / __________________ Date: __________ Time: __________ |
|--------------------------|---------------------|
| Post-Closure Manager or Designee |

**Notes**

USEPA and SCDHEC must be notified within 30 days of identification of any area where any breach or compromise of restrictions placed on this institutional control OU has occurred.

All monitoring wells associated with this waste unit are inspected using Monitoring Well Inspection Procedure SOP-011 in compliance with South Carolina Hazardous Waste Management Regulations R.61-79: Subpart F, Groundwater Monitoring.

This checklist was revised in the approved CMI/RAIP.
This Page Intentionally Left Blank
APPENDIX E

ATTACHMENT B

Land Use Control Implementation Plan (U) Survey Plat
This Page Intentionally Left Blank