

## **PERMIT ATTACHMENT E INSPECTION PLAN**

### **E.1 Inspection Plan**

The Permittee shall inspect the general condition of the cap on a semi-annual basis. To facilitate this inspection, vehicular access to the area shall be restricted for a length of time sufficient to complete a thorough inspection. This inspection will include the drainage swale on the north and west sides of the cap to ensure that it is clear of debris and that the sides are intact. A visual inspection of the entire 3-inch-thick asphaltic wearing surface shall also be performed. The location of any gouges, cracks, surface-movement, and/or pavement deterioration (chemical or natural) shall be noted. Any breaches of the wearing surfaces which expose (however slightly) the asphalt base shall be repaired, and the repair will commence immediately. Undisturbed wearing surface material shall be removed for a distance of 6 inches in all directions around the breach, and this area shall be resurfaced as specified for the initial paving in the Post- Closure Care Plan (Permit Attachment H). If, at any time between inspections, any sort of breach of the wearing surface is reported, there shall be an immediate inspection to determine if repair is necessary.

The Permittee shall conduct inspection of the ground-water monitoring wells at MW-16 and MW-25, which penetrate the cap, to confirm the integrity of the cap. This will include the working order of the security caps and physical damage to the protective casing or surface grouting. If one or both wells are no longer needed as part of corrective action, they will be plugged and abandoned as necessary to ensure the integrity of the cap. The Permittee shall also inspect the pump-and-treat system components, building, infiltration gallery, and infiltration ponds.

### **E.2 Inspection Schedule**

The Permittee shall conduct a semi-annual inspection of the cap for maintenance, inspection of the monitoring wells, subsidence, and for security to prevent the unknowing, and to minimize the possibility for the unauthorized, entry of persons or vehicles into the active portion of the Facility monitoring sites. In addition to the inspection requirements specified in this Attachment (E), an inspection checklist component for monitoring wells and the items to be inspected are listed below in Table E-1 of this Attachment.

The schedule of each semi-annual inspection shall be kept at the Corporate Office or consultant(s) office for a minimum of three years from the date of each inspection.

**TABLE E-1**

**Post-Closure Semi-Annual Inspection Checklist for the Sparton Technologies, Inc. Facility**

Date of Inspection: \_\_\_\_

Name of Inspector: \_\_\_\_

Name of Surveyor: \_\_\_\_

| Item                                 | Description of What to Inspect for | Problem (Y/N) | Remarks | Action Taken | Date |
|--------------------------------------|------------------------------------|---------------|---------|--------------|------|
| <b>Maintenance</b>                   | Wearing surface                    |               |         |              |      |
|                                      | Gouges                             |               |         |              |      |
|                                      | Deterioration                      |               |         |              |      |
|                                      | Subsidence                         |               |         |              |      |
| <b>General</b>                       | Ponding on Cap                     |               |         |              |      |
|                                      | Rainfall Run-on                    |               |         |              |      |
| <b>Subsidence</b>                    | Benchmark Survey                   |               |         |              |      |
| <b>Monitor Wells M-16 &amp; M-25</b> | Surface Leakage to wells           |               |         |              |      |
|                                      | Rusting or broken well covers      |               |         |              |      |
|                                      | Integrity of locks                 |               |         |              |      |
| <b>Security</b>                      | Integrity of fences and gates      |               |         |              |      |
|                                      | Integrity of locks                 |               |         |              |      |
|                                      | Integrity and status of signs      |               |         |              |      |
|                                      | Evidence of vandalism              |               |         |              |      |
|                                      | Integrity of benchmarks            |               |         |              |      |

Inspector's Signature: \_\_\_\_\_ Date: \_\_\_\_

Owner/Operator's Signature: \_\_\_\_\_ Date: \_\_\_\_