

**OPERATION AND MAINTENANCE****DRAFT 5/01/09**

\_\_\_\_\_ Land Owner \_\_\_\_\_ Field Office \_\_\_\_\_ Date

A properly operated and maintained **Heavy Use Area Protection (HUAP)** is an asset and with proper management will protect the natural resources. This practice was designed and installed to properly manage livestock or high traffic areas, hence improving water quality and reducing soil erosion. Other associated practices installed to protect (fences), provide access (walkways), collect, treat and or store contaminated runoff (roof drains, waste storage system, vegetated treatment areas), etc. shall also be maintained to minimize water quality degradation. The estimated life span of the system is at least **10** years. The life of the practice can be normally be increased by carrying out a good Operation and Maintenance (O&M) program.

This practice requires periodic O&M to properly manage and keep in good repair areas used by equipment and livestock and where livestock feed, congregate or loaf. in areas This O&M plan will complement a CNMP where livestock will use the area as a feed pad and as a minimum,

The area protected by HUAP is surfaced by \_\_\_\_\_.

1. ***The HUAP is clean, there is no trash accumulation and the weeds are controlled.***
2. ***The HUAP's surface areas is repaired, when needed, by replacement of lost gravel, mulch, repaving holes, compaction of non-concrete surface materials and re-grading paving material.***
3. ***Unpaved concentrated livestock areas and associated practices are inspected at least semi-annually and after significant storm events. Regular removal and management of manure accumulations will be addressed.***
4. ***Maintenance of healthy vegetated cover, where required, by mowing, fertilization, liming, and irrigation or reseeding.***
5. ***Scrape the surface as needed to remove excess manure and/or sediment and place in a designated Waste Storage Facility, non-wetland or upland location.***
6. ***Inspect inlets and outlets of pipes and culverts and remove any obstructions.***
7. ***Maintain surface flow onto designated (if required) filter or vegetated treatment areas and remove accumulated solids, reconstruct drainage, etc.***
8. ***Document the method of handling and disposal practices for waste feed.***
9. ***Treatment and disposal practices for leachate and contaminated runoff shall be addressed.***
10. ***For Livestock Heavy Use areas, the O&M shall be included as part of the overall waste management plan.***
11. ***All paved areas, including curbs and push-off ramps, shall be inspected at least twice a year for cracks, spalls or separations. Repair as needed.***
12. ***Inspect fencing installed with feedlots, repair as needed.***
13. ***Ensure manure, wastewater, contaminated runoff and other wastes are not flowing, leaking, seeping, etc. away from the livestock pad, paddock or lot.***

***For vegetated areas associated with livestock heavy use areas, inspections are an ongoing part of paddock management. The following guidelines should be followed***

1. ***Maintain paddocks or lots in good vegetated condition.***

