



November 4, 2015

Mr. Arturo Burgos
Mr. Tom Ryan
City of Tucson, Environmental Services
4004 South Park Ave.
Building 1
Tucson, Arizona 85726

Re: Annual Closed Landfill Inspection – A Mountain Landfill

INTRODUCTION

On September 30, 2015, Engineering and Environmental Consultants, Inc. (EEC) performed the annual field inspection at the closed A Mountain Landfill. A Mountain Landfill was operated by the City of Tucson as a Municipal Solid Waste facility from 1953 through 1962. The property is currently undeveloped.

Annual inspections are required at City of Tucson owned non-regulated closed landfills in accordance with the guidance document entitled "COT Closed Landfills Inspection and Maintenance Reporting and Procedures, March 2011". This guidance document was internally prepared by the City of Tucson Environmental Services Department (COT-ES).

Key elements of this inspection report are:

- A narrative summary of facility conditions including recommended corrective action(s) to be undertaken prior to the next scheduled inspection
- The Landfill Inspection Table used to document observed conditions (Attachment 1)
- An inspection photo log (Attachment 2)

INSPECTION SUMMARY

The annual field inspection of A Mountain Landfill is organized and conducted using the inspection report table included in the COT-ES inspection guidance document. A copy of the table filled out during this inspection is included with this report (Attachment 1). The table lists specific landfill items that must be inspected and provides space to comment on the conditions encountered during the inspection. The items inspected and the current conditions of these features at A Mountain Landfill are summarized as follows:

Perimeter Security Fence and Gates

The east, west and south sides of the landfill property are denoted with a post and cable barrier designed to keep vehicular traffic out. The south boundary of the landfill is unfenced. The entire landfill is accessible to foot traffic.

Inspection Roads

Exposed trash was observed in rills on the northern end of the central inspection road (Photos 1, 2).

Stormwater Controls

Erosion rills with exposed trash were observed on the east slope of the landfill above the Pima County multi-use path along the Santa Cruz River (Photos 3, 4). This item was also noted in the 2014 annual report as an item for drainage redesign and repair.

Stormwater Retention Basins

No stormwater retention basins are located on the landfill.

Landfill Earthen Cap

The earthen cap is thin in some areas of the landfill and minor erosion can expose trash in these areas. Exposed trash and debris due to erosion was observed on the north slope of the landfill near the Mission Gardens complex (Photo 5, 6).

Landfill Gas Extraction System Wellfield

There is no landfill gas extraction system at the landfill.

Gas Extraction System Compound

There is no landfill gas extraction system at the landfill.

Landfill Gas Monitoring Wells

The landfill gas monitoring probe wells on the landfill appear to be in good condition. Several apparent landfill gas probe wells not shown on the City supplied landfill map were observed. The locks on these wells were not standard City locks.

Groundwater Monitoring Wells

The groundwater monitoring wells on the landfill appear to be in good condition.

Remediation Equipment

None.

Illegal Dumping

No illegal dumping was observed on the landfill.

Neighboring Land Uses

There have been no changes in land use of neighboring properties since the last inspection.

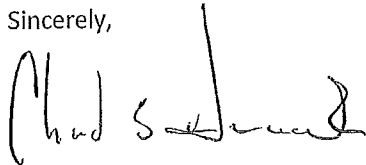
RECOMMENDED CORRECTIVE ACTIONS

- The exposed trash and debris observed in erosion rills on the north slope of the landfill adjacent to the Mission Gardens complex and the central inspection road should be covered with clean fill.
- The erosion on the east slope of the landfill above the County multi-use path was noted as an action item in the 2014 report, with a minor redesign of the drainage being the preferred remedy. This had not occurred at the time of this inspection.

No other corrective actions are recommended at this time.

Should you have any questions or require additional information, please contact me at 520-321-4625 (office) or 520-488-9205 (cell).

Sincerely,



Chad Hancock
Field Services Manager, Environmental Services

Attachments:


- 1: Landfill Inspection Table
- 2: Site Photographs



ATTACHMENT 1

LANDFILL INSPECTION TABLE

**CITY OF TUCSON ENVIRONMENTAL SERVICES
ANNUAL CLOSED LANDFILL INSPECTION REPORT
A MOUNTAIN LANDFILL**

INSPECTION ITEM	DISCREPANCY	CORRECTIVE ACTION
Perimeter Security Fence and Gate (holes, structure issues)	None	
Inspection Roads (washouts, obstructions, potholes)	Erosion rills with exposed trash on northern inspection road	Repair with clean fill
Storm Water Controls (berms, let downs, spillways)	Erosion rills with exposed trash on east slope above County multi-use path	Re-design called for in 2014 report –remains undone
Storm Water Retention Basins (washouts, excessive silt in, holding water)	N/A	
Landfill Earthen Cap (washouts, trash showing, debris and trash)	Exposed trash on slope south of Mission Garden	Repair with clean fill
Landfill Gas Extraction System Wellfield (piping, wells, vaults, washouts)	N/A	
Landfill Gas Extraction System Compound (fencing, blower equipment, flare, carbon canisters)	N/A	
Landfill Gas Monitoring Wells (including bollards, vaults, locks)	None	
Groundwater Monitoring Wells (including bollards, vaults, locks)	None	
Remediation Equipment (compound fence, erosions, leaks)	N/A	
Illegal Dumping (including overgrown vegetation, homeless camps, vectors)	None	
Neighboring Land Uses (changing adjacent land uses that will or currently are impacting the landfill site)	None	
INSPECTOR SIGNATURE 		DATE 9/30/15

ATTACHMENT 2

SITE PHOTOGRAPHS



Photo 1: Erosion rills on inspection road with exposed trash, view to the south



Photo 2: Exposed trash in rills in inspection road



Photo 3: Rill erosion on east slope of landfill above County multi-use path



Photo 4: Exposed trash in rill on east slope above County multi-use path



Photo 5: Exposed trash on slope adjacent to Mission Gardens



Photo 6: Exposed trash on slope adjacent to Mission Gardens