



November 3, 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 – Mission Landfill

INTRODUCTION

On September 30, 2015, Engineering and Environmental Consultants, Inc. (EEC) performed the annual field inspection at the closed Mission Landfill. Mission Landfill was operated by the City of Tucson as a Municipal Solid Waste facility from 1963 through 1970. The property is currently developed with the majority of the site utilized as a Pima County Parks facility that borders the Santa Cruz River.

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 Mission 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 Mission Landfill are summarized as follows:

Perimeter Security Fence and Gates

One section of the post and cable barrier along the western boundary of the landfill adjacent to Grande Avenue is missing. This missing section was noted in the last two annual reports and has not been considered an adverse impact to landfill security.

Inspection Roads

There are no roadways on the landfill itself.

Stormwater Controls

No stormwater controls are located on the landfill.

Stormwater Retention Basins

No Stormwater retention basins are located on the landfill.

Landfill Earthen Cap

The earthen cap is generally in good condition. One open surface void (a hole) was observed just outside the landfill boundary near landfill gas monitoring probe well MS-1. This hole may present a hazard to City personnel during probe monitoring events or to other persons walking in the area.

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

Landfill gas monitoring probe well MS-1 appeared to be in good condition, but EEC field personnel were unable to locate well MS-2. Based on the appearance of soil deposited in the area by seasonal runoff, it may be that MS-2 is currently covered with storm transported soil.

Groundwater Monitoring Wells

No groundwater monitoring wells are located near the landfill.

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

- It may be prudent to fill the hole near monitoring probe well MS-1 to prevent injury to persons in the area.
- Landfill gas monitoring well MS-2 was not found. It may be covered or destroyed. If this monitoring point is still needed, a search of the area with a metal detector may locate it.

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).

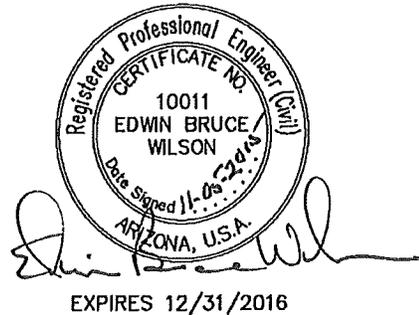
Sincerely,



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
MISSION LANDFILL**

INSPECTION ITEM	DISCREPANCY	CORRECTIVE ACTION
Perimeter Security Fence and Gate (holes, structure issues)	Cable missing on post/cable fence along Grande Avenue	Monitor and review
Inspection Roads (washouts, obstructions, potholes)	None	
Storm Water Controls (berms, let downs, spillways)	None	
Storm Water Retention Basins (washouts, excessive silt in, holding water)	None	
Landfill Earthen Cap (washouts, trash showing, debris and trash)	Hole adjacent to cap near well MS-1	Repair hole
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)	Monitoring probe well MS-2 missing or covered	Locate well
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: Mission Landfill earthen cap, view to the south



Photo 2: Hole adjacent to landfill near monitoring probe well MS-1