



MAY 08 2023

**Tabled**

**AGENDA PLACEMENT FORM**

(Submission Deadline – Monday, 5:00 PM before Regular Court Meetings)

**Date:** 4/28/2023

**Meeting Date:** 5/08/2023

**Submitted By:** Julie Edmiston

**Department/Office:** Public Works

**Signature of Director/Official:** *Jennifer VanderLaan*

**Agenda Title:**  
Consideration of Adoption of Maintenance and Operation Plan for Tributary A and B to Turkey Creek- Public Works Department

**Public Description** (Description should be 2-4 sentences explaining to the Court and the public what action is recommended and why it is necessary):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(May attach additional sheets if necessary)

**Person to Present:** Jennifer VanderLaan

(Presenter must be present for the item unless the item is on the Consent Agenda)

**Supporting Documentation:** (check one) PUBLIC  CONFIDENTIAL

(PUBLIC documentation may be made available to the public prior to the Meeting)

**Estimated Length of Presentation:** 10 minutes

**Session Requested:** Action Item (Action Item, Workshop, Consent, Executive)

**Check All Departments That Have Been Notified:**

County Attorney  IT  Purchasing  Auditor   
Personnel  Public Works  Facilities Management

Other Department/Official (list) \_\_\_\_\_

**Please Inter-Office All Original Documents to County Judge’s Office Prior to Deadline & List All External Persons Who Need a Copy of Signed Documents In Your Submission Email**

**ATTACHMENT 1**

**TRIBUTARY A AND B TO TURKEY CREEK  
MAINTENANCE AND OPERATION PLAN**

**APPENDIX E**

**TRIBUTARY A AND B TO TURKEY CREEK  
MAINTENANCE AND OPERATION PLAN**

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## MAINTENANCE AND OPERATION PLAN

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This appendix summarizes the various maintenance and operation plans that will govern the construction and maintenance of the Tributaries A and B to Turkey Creek and the maintenance and operation requirements for the overall stormwater management system at the Turkey Creek Landfill. The organization with regulatory authority at the site is Texas Commission on Environmental Quality (TCEQ) and Johnson County (County). The TCEQ has inspection and enforcement authority at the site to ensure that the overall landfill stormwater management system is constructed and maintained as designed.

Information about each entity's responsibilities is summarized below.

- Johnson County. The County has inspection and enforcement authority at the site under a variety of regulatory programs. The County verifies that the project is developed consistent with community floodplain requirements, and this CLOMR.
- TCEQ. The TCEQ will issue the operating permit for the landfill expansion. The TCEQ has permitting, inspection, and enforcement authority over the site to ensure the landfill is developed and maintained to meet all the requirements of the permit and Texas Administrative Code Chapter 330. The CLOMR will be included in the TCEQ operating permit for the expanded site. Therefore, the TCEQ is an organization that has regulatory authority over the site to ensure that the site is developed and maintained consistent with the various permit requirements.

In addition to these plans, erosion control measures will be installed within the relocated Tributary A and B to Turkey Creek to mitigate erosive velocities at phases during and after construction. These plans are included in Appendix B.3, Attachment 1 of this CLOMR. Because the pond areas in Tributaries A and B to Turkey Creek are to be used for flood storage, these areas will have dedicated flood control easements prior to submitting a Letter of Map Revision for this project. The easements will include access roads which will allow for adequate maintenance and equipment access for Tributaries A and B.

The entity responsible for ensuring that the maintenance activities are accomplished is the Texas Regional Landfill Company, LP. TCEQ and Johnson County have oversight and enforcement authority of the required maintenance activities.

Johnson County has the authority to complete repairs to damaged or deficient elements of Tributaries A and B if repairs are not made within the timelines established in this plan. Repairs done by Johnson County will be completed at the expense of Texas Regional Landfill Company, LP.

## **Stormwater System Maintenance Plan**

In accordance with Title 30 TAC §330.305(e)(1), Turkey Creek Landfill will restore and repair constructed stormwater systems such as channels, drainage swales, and chutes in the event of wash-out or failure from extreme storm events. Stormwater BMPs installed during all phases of landfill development will also be replaced or repaired in the event of failure. Excessive sediment (defined as 12-inches) will be removed, as needed, so that the drainage structures (i.e., perimeter channels and detention ponds) function as designed. Site inspections by landfill personnel will be performed weekly or within 72 hours after any significant rainfall event (e.g., a rainfall event with 0.5 inch or more precipitation). Documentation of the inspection will be included in the Site Operating Record.

The following items will be evaluated during the inspections:

- Erosion of daily and intermediate cover areas, final cover areas, perimeter ditches, chutes, swales, detention ponds, berms, and other drainage features.
- Settlement of intermediate cover areas, final cover areas, perimeter ditches, chutes, swales, and other drainage features.
- Silt and sediment build-up in perimeter ditches, chutes, swales, and detention ponds. Removed silt and sediment can be used as daily cover or to replenish intermediate cover soils.
- Obstructions in drainage features such as culverts, gabions, and spillways.
- Presence of erosion or sediment discharge at offsite stormwater discharge locations.
- Presence of sediment discharges along the site boundary in areas which have been disturbed by site activities.
- Presence of erosion over the bed and banks of the unnamed tributary of Turkey Creek. If any erosion problems are noted, necessary actions will be implemented to repair damaged locations.

Maintenance activities of Tributaries A and B will be performed to correct damaged or deficient items noted during the site inspections. Corrective actions will begin within 7 calendar days of detection or as soon as safely possible after the inspection. The time frame for correction of damaged or deficient items will vary based on weather and ground conditions. Adequate access will be provided through the

landfills perimeter roads to perform maintenance activities, landfill roads will be maintained in accordance with the site operating plan.

Maintenance activities of Tributaries A and B will consist of the following, as needed:

- Mowing will be done at least every 60 days during the growing season to ensure that grass is maintained at a maximum height of 12 inches.
- Placement, grading, and stabilization of additional soils in eroded areas or in areas which have settled. Settlements and slope failures will be repaired with benching and lift compaction. Once the accumulated sediment reaches 12 inches, it will be removed. Eroded areas will be refilled and compacted.
- Replacement or repair of riprap or other surface lining materials.
- Placement of additional riprap in eroded areas.
- Removal of obstructions from drainage features.
- Removal of silt and sediment build-up from drainage features.
- Drainage features such as culverts, head walls, and gabions will be repaired as needed to maintain hydraulic efficiency.
- Repairs to erosion and sedimentation controls.
- Installation of additional erosion and sedimentation controls.