## PART 1 – GENERAL

1.1 SUMMARY

A. The Contaminated Media Management Plan (CMMP) provides airport board employees tenants and contractors with information and guidance on potential environmental concerns that may be encountered during the disturbance, excavation and relocation of soils at Dallas/Fort Worth International Airport (DFW Airport).

1.2 RELATED REQUIREMENTS

A. Section 01 55 29, Staging Area.

B. Section 01 57 23, Temporary Storm Water Pollution Control.

C. Section 01 74 19, Construction Waste Management and Disposal.

D. Section 01 74 19.13, Waste Characterization.

1.3 SUBMITTALS

A. Contractors will be required to submit:

1. Soil Management

2. Excavation Soil Management Plan

3. Environmental Authorization to Transfer Soil Form

1.4 REFERENCES

A. The following is a list of policies and regulations which may be referenced in this Section:

1. DFW International Airport Contaminated Media Management Plan, located at https://www.dfwairport.com/cs/groups/webcontent/documents/webasset/p2_906633.pdf

2. Texas Administrative Code (TAC): Title 30 Chapter 335, Industrial Solid Waste and Municipal Hazardous Waste.

3. Code of Federal Regulation (CFR): Title 40 Part 131 Water Quality Standards.

1.5 QUALITY ASSURANCE

A. Persons conducting environmental related construction activities shall possess the training and experience necessary to recognize environmental conditions, conduct soil screening, and use field instrumentation.

1.6 CONTANIMATED MEDIA MANAGEMENT PLAN

A. The contractor shall adhere to all requirements as specified in the CMMP. Below is a summary of the requirements. In the event of a conflict between the specification and CMMP, the CMMP shall govern. The full document can be accessed at: https://www.dfwairport.com/cs/groups/webcontent/documents/webasset/p2_906633.pdf

B. No soil can leave or be brought onto DFW Airport Property unless approved by DFW Environmental Affairs Department (EAD).

C. Work Areas

1. The CMMP classifies a jobsite into three potential work areas: General Work Area, Area of Concern, and Remediation Area. See design plan sheet for delineation of work areas.
2. Work area delineation is based on known potential contaminants. The work area delineation may change as new information becomes available.
    i. General Work Area
        1. Soil will be monitored for visual and olfactory evidence of contamination. Contact EAD immediately if potential contamination is encountered.
        2. The contractor will complete the **Excavation Soil Management Form** to track excavation activities. This form will be turned in to the assigned EAD representative weekly.
        3. Water that collects on site will be monitored for visual or olfactory evidence of contamination. If no evidence of contamination is observed, the contractor may pump the water in accordance with all applicable SWPPPs or ECPs. If contamination is present, contain the water and contact EAD for sampling requirements. The contractor will be responsible for all sampling and disposal.
    ii. Area of Concern
        1. All soil will be either:
            a. Field-screened every 50 cyd or
            b. Sampled every 250 cyd
        2. The screening method is determined by EAD based on the chemical of concern present onsite.
        3. Photoionization Detector (PID)
            a. PID will be equipped with a 10.6 eV lamp or greater. Equipment calibration will be conducted on a daily basis regardless of manufacturer's recommendations; and documented on the **Excavation Soil Management Form.**
            b. If PID readings greater than 25 ppm are encountered, stop work immediately and contact EAD. All field screening results must be submitted to EAD for review. The contractor is responsible for all sampling and disposal.
        4. Laboratory Analysis
            a. Samples will be collected and submitted to a National Environmental Laboratory Accreditation Certification (NELAC) certified laboratory for analysis. All analytical

reports must be submitted to EAD for review. The contractor is responsible for sample collection and analysis.

5. The contractor will complete the **Excavation Soil Management Form** to track excavation activities, and field screening results. This form will be turned in to the assigned EAD Compliance Inspector weekly.
6. Water that collects on site will be checked for visual or olfactory evidence of contamination. If no evidence of contamination is observed, the contractor may pump the water in accordance with all applicable SWPPPs or ECPs. If contamination is present contain the water, and contact EAD for sampling requirements. The contractor will be responsible for all sampling and disposal.

iii. Remediation Area

1. Place soil back into the excavation whenever possible.
2. All soil generated that cannot be placed back in the excavation shall be stockpiled and sampled to determine appropriate soil classification.
    a. Excavated soils are to be stored on, and securely covered by, 10 mil plastic sheeting or similar method to protect the soil from exposure to rain or storm water runoff (i.e. lined roll-off). These soils cannot be combined or co-mingled with soils from other work areas within the project.
    b. A soil sample shall be collected every 50 cyd and submitted to a NELAC certified laboratory for analysis. All analytical laboratory reports must be submitted to EAD for review. The contractor is responsible for sample collection and analysis. Refer to page 27 in the CMMP for additional details.
3. The contractor will complete the **Excavation Soil Management Form** to track excavation activities and the transport of soil. This form will be turned in to the assigned EAD Compliance Inspector weekly.
    a. Water that accumulates on the site will be collected and stored in a labeled, water-tight container. EAD will identify the chemicals of concern. Water samples will be collected and submitted to a NELAC certified laboratory for analysis. All analytical laboratory reports must be submitted to EAD for review. The contractor is responsible for sample collection and analysis.

D. Soil Transfer

1. The CMMP identifies five methods to transfer soil: Deposit at a DFW Materials Management Site, Remove from a DFW Materials Management Site, Transfer Between DFW Airport Project Sites, Import Material from an Off-Airport Location, Export Material to an Off-Airport Location

    i. Deposit at DFW Materials Management Site

        1. Complete the **Environmental Authorization to Transfer Soil Form**. The form must be submitted for EAD and DCC review at least 48 hours in advance with analytical results. EAD and DCC must approve the request prior to any soil leaving the project site.
        2. The contractor will complete the **Excavation Soil Management Form** to track field screening results and truck transport information. This form will be turned in to the assigned EAD Compliance Inspector weekly.
        3. Soil originating in a general work area must have analytical samples every 1,000 cyd. The sample must be below TRRP Tier 1 Residential levels. EAD will determine the contaminants of concern for sampling.
        4. Soil originating in an area of concern must have analytical samples every 250 cyd. The samples must be below TRRP Tier 1 Residential levels. EAD will determine the contaminants of concern for sampling.
        5. Soil originating in a Remediation Area cannot be transferred to a DFW Material Management Site.

    ii. Remove from area DFW Material Management Site

        1. Complete the **Environmental Authorization to Transfer Soil Form**. The form must be submitted for EAD and DCC review at least 48 hours in advance. EAD and DCC must approve the request prior to any soil leaving the project site.

    iii. Transfer Between DFW Airport Project Sites

        1. Complete the **Environmental Authorization to Transfer Soil Form**. The form must be submitted to EAD and both project OARs at least 48 hours in advance. EAD and both project OARs must approve the request prior to any soil leaving or entering the project site.
        2. The contractor will complete the **Excavation Soil Management Form** to track field screening results and truck transport information. This form will be turned in to the assigned EAD Compliance Inspector weekly.
        3. Soil must:

a. Originate from a general work area or area of concern

b. Must be PID screened every 50 cyd with a reading less than 25 ppm, or have lab analysis every 250 cyd and have results below Tier 1 Residential standards.

iv. Import Material from an Off-Airport Location

1. Complete the **Environmental Authorization to Transfer Soil Form**. EAD must approve the request prior to any soil entering the project site.

v. Export Material to an Off-Airport Location

1. Complete the **Environmental Authorization to Transfer Soil Form**. EAD must approve the request prior to any soil leaving the project site.

2. The contractor will complete the **Excavation Soil Management Form** to track field screening results and truck transport information. This form will be turned in to the assigned EAD Compliance Inspector weekly.

3. Soil must originate from either

a. A general work area with either:

i. PID readings of 0ppm or,

ii. Analytical samples non-detect

b. An area of concern with

i. PID readings of 0ppm and,

ii. Analytical samples non-detect.

4. Off-Airport location(s) must be approved by EAD. The off-airport location may have additional sampling requirements. The contractor shall:

a. Be responsible for all sampling, laboratory analytical and site fees.

b. Provide EAD any analytical information and/or documentation resulting from the transfer to the off-airport location within 48 hours.

5. Soils must be taken directly to the off-airport location and not commingled with other unauthorized soils.

## PART 2 – PRODUCTS

Not Used.

## PART 3 – EXECUTION

Not Used.

## PART 4 – MEASUREMENT AND PAYMENT

Not Used.

**- END OF SECTION –**