I.f Plan of Operations for All Facilities

I.f.1 Description of on-site Waste Handling Procedures and Example Form

R315-302-2(2)(b) and R315-310-3(1)(f)

I.f.1.A Purpose

The purpose of the Plan of Operation is to provide a written description of the daily operational procedures of the existing Class IVb Landfill. These procedures incorporate the respective operations of the Class IVb disposal area as well as the MSW transfer area.

A landfill is a dynamic system that, over time, generates notable topography changes and therefore requires continual alterations to existing traffic patterns to reach the current active face. Changes may also occur in quantities of disposed materials, demographics of the service area, as well as with the administrative or regulatory requirements themselves. The intent of this Plan of Operations is to provide an accurate description of the current daily operations and procedures while allowing flexibility for the operational changes which will become necessary over time.

I.f.1.B Operational Procedures

I.f.1.B.i Disposal & Transfer

Presently, the Ibapah Solid Waste Facility accepts two classifications of waste, C&D and MSW. The former is disposed of within an on-site disposal cell, while the latter is placed within a roll-off container that is periodically emptied, with the MSW then being disposed of at a permit disposal facility.

I.f.1.B.ii Excavation and Construction of the Cells

As the waste disposed of within the cell is relatively minimal, the volume utilization is currently taking place at a very slow rate. Therefore, the excavation and construction of a new cell is

unlikely to take place for a substantial period of time. However, in the case of new construction and/or closure of an existing cell, the following would take place:

Any potential excavation of a new area would begin with the removal of shrubs, grass, and other vegetation growing within the excavation area. The surface soil is stripped to a minimum depth of 6 inches and stockpiled.

The working face of each cell is constructed at a slope of 3 horizontal to 1 vertical. The unloading of refuse will be restricted to specific areas at any one time in order to limit the size of tipping face while facilitating operational safety.

The final covers are also constructed with a maximum slope of 3 to 1 following the complete utilization of a cell. The final cover for the Class VI cell consists of an 18-inch minimum thickness of compacted native soil topped 6-inches of topsoil or native soil capable of supporting vegetation. Once in place, covers are then seeded to reduce erosion.

I.f.1.B.iii Equipment

The Class IVb Landfill cell design is constructed and operated with equipment transported to the site on an as-needed basis. If breakdowns or future projects require additional equipment, the Solid Waste Department may utilize county-owned equipment from other departments. Tooele County may also utilize rental agreements for additional equipment.

I.f.1.C On-Site Solid Waste Handling Procedures

The Landfill is owned and operated by Tooele County. Daily operation of this facility is under the direction of the Solid Waste Director. In the event of the Director's absence, a Senior Operator is the designate in charge of the landfill.

On a typical day, signage indicates where to place C&D waste. Should the disposal area change, the signage will be shifted accordingly. Annual tonnages are estimated based on observed volume utilization.

I.f.2 Schedule for conducting Inspections and Monitoring, and Example Forms R315-302-2(2)(c), R315-302-2(5)(a), and R315-310-3(1)(g)

Tooele County will be responsible for maintaining and inspecting the Ibapah Solid Waste Facility at a minimum of a quarterly basis in order to ensure proper safety protocols are being followed. A possible form for monitoring and inspection of the Ibapah Solid Waste Facility to ensure proper operation and maintenance is provided in Appendix C. Items that could be inspected on a regular basis are signs, fencing, cover, roads, equipment, etc.

I.f.3 Contingency Plans in the event of a fire or explosion R315-302-2(2)(d)

The Contingency Plan (for full copy reference Appendix D) is designed to minimize hazards to human health and/or local environment from any unplanned sudden or non-sudden discharge to air, soil, surface, or groundwater. The provisions of this plan will be carried out immediately upon an emergency or sudden release. However, emergency evacuation of the site would likely not be necessary given the nature of the waste materials stored and processed at the site. The probabilities of incidents caused by fire, explosion, or toxic vapor generation are remote.

I.f.3.A Fire or Explosion

The primary means of fire control in the Class IVb Landfill is to isolate hot or burning solid waste. In the event that a fire does erupt during operating hours, the burning material will be separated from the other materials and doused with water or controlled with fire suppression equipment. This action will be supported, when necessary, by the mobilization equipment owned and operated by the County.

I.f.3.B Explosive Gas Release

Tooele County has not conducted gas monitoring at the Ibapah Facility and currently does not have plans to implement a gas monitoring program. The Ibapah Facility only accepts construction and demolition debris for disposal. All MSW is collected and transported offsite to another disposal facility through an existing Dropbox facility located on-site at the Ibapah Facility.

I.f.4 Fugitive Dust Plan R315-302-2(2)(g)

The amount of traffic into and out of the Landfill is minimal and dust suppression has not been an issue. If the need arises in the future, Tooele County would implement measures to reduce fugitive dust. The prevailing winds in the area tend to originate from either the northwest or southeast (MRCC, 2021).

I.f.5 Plan for Litter Control and Collection R315-302-2(2)(h)

The Landfill Manager will continue the ongoing litter collection program in order to minimize the presence of litter on the site and adjacent properties. This program consists of various activities designed to reduce windblown litter in addition to other site features and operations that aid in the reduction of windblown litter. Activities specifically designed to reduce amounts of windblown litter include minimizing the size of the active face to the extent possible (reducing the area of wastes exposed to wind) and picking up fugitive waste near the drop box area when the bin is serviced.

Other features and operating techniques that have proven to reduce windblown litter include keeping municipal waste from entering the Class IVb cell and the application of daily and intermediate soil cover. Site and surrounding area inspections will be conducted on a routinely

daily basis, and any windblown litter found will be collected. The Maintenance Schedule also provides a section for the tracking of regular litter-control activities (Appendix C).

I.f.6 Hazardous Waste Exclusion Plan R315-302-2(2)(j)

A "Prohibited Waste" control program designed to detect and deter attempts to dispose of hazardous and other unacceptable waste is presently implemented at the Ibapah Solid Waste Facility. The program is designed to protect the health and safety of employees, customers, and the general public, as well as protect against contamination of the environment. The Director of Solid Waste is responsible for activities involving hazardous waste.

The site is open for public and private disposal. Signs are posted near the site entrance clearly indicating the types of wastes to be accepted and rejected. During periodic visits to the Landfill, the disposal area will be inspected for prohibited wastes. If any are identified, the immediate area around the waste will be cordoned off while the material removed and set aside for proper disposal actions. The Tooele County Health Department will be notified of actions taken to remove noncompliant waste from the Landfill.

I.f.7 Disease Vector Control Plan R315-302-2(2)(k)

The expectations for the need to control disease in a construction and demolition waste landfill are minimal. Keeping the open working face small, thoroughly compacting, and covering the waste with soil have proven effective methods in preventing disease vectors from becoming a problem.

I.f.8 Alternative Waste Handling Plan R315-302-2(2)(I)

If problems were to occur that prevented the use of the Class IVb Landfill, incoming C&D would be temporarily set aside or deposited at an alternative site if the delay were judged to be substantial. In the event of a major equipment failure, solid waste will be loaded and shipped to an alternative waste disposal facility such as Wasatch Regional, Salt Lake County, West Wendover, or Elko.

I.f.9 General Training Plan for Site Operations R315-302-2(2)(o)

Any personnel working at the Ibapah Solid Waste Facility is trained to have a working knowledge of the maintenance and operational techniques necessary to operate the Landfill in a manner consistent with the preservation of human health or safety and the environment. Training is accomplished through on-the-job training (OJT) and classroom training sessions. The Director of Solid Waste, or a designated professional trainer, is in charge of directing these training programs. Initial training is completed within three months of employment followed by an annual review of basic waste management skills.

I.f.9.A Training Schedule

The Solid Waste Director is required to certify as a Manager of Solid Waste, Manager of C&D Landfill and Manager of Transfer Station by completing the training courses and fulfilling the certification requirements of SWTI or SWANA. In addition, operators are required to take Landfill Operator and Waste Screening training courses. Continuing education efforts include the following:

I.f.9.A.i Introductory Training

Synopsis of solid waste regulations, record keeping, and transporter requirements.

- Requirement: All Personnel
- Method: Lecture/video course, OJT
- Review: Annual

I.f.9.A.ii Policies and Procedures

Security, inspections, and emergency response.

- Requirement: All Personnel
- Method: Lecture/video course, OJT
- Review: Annual

I.f.9.A.iii Safety

Personal protection, hazardous waste recognition, hazardous material handling, emergency response, fire protection, and basic first aid.

- Requirement: All Personnel
- Method: Lecture/video course
- Review: Annual

A Safety Training meeting is held once a week with a minimum duration of 15 minutes.

I.f.10 Recycling Programs R315-303-4(6)

The Ibapah Solid Waste Facility does not operate a recycling program.

I.f.11 Any other Site-Specific Information Required by the Director R315-302-2(2)(p)

There is no other site-specific information that the Director requires.

I.g Additional Plan of Operation Requirements for Class IVa Facilities

I.g.1 Corrective Action Programs to be initiated if ground water is contaminated R315-302-2(2)(e)

As the Ibapah Solid Waste Facility is classified as a Class IVb landfill, this section is not within the scope of this application.

SOLID WASTE MANAGEMENT
IBAPAH SOLID WASTE FACILITY
EMERGENCY OPERATIONS PLAN

This document provides landfill employees with information on how to respond and what to expect in the case of a major disaster, such as an earthquake. While this particular facility is unmanned the majority of the time, events such as natural disasters could produce quantities of waste large enough to necessitate temporary personnel and equipment in order to ensure safe and efficient disposal. The Ibapah Solid Waste Facility (hereafter referred to as the Facility), in an effort to respond to various disasters that could seriously threaten lives and property in the county, has developed this Emergency Operations Plan. The format of this plan complements other plans developed for country use and is therefore not intended for use as a standalone plan. The intent is to use this plan in conjunction with State, County, and Local EOCs.

ASSUMPTIONS

1. The Facility is expected to continue normal operation and will therefore need to maintain normal daily operation besides handling the disposal of emergency, nonhazardous rubble material. Because of the location of the Facility and the minimal infrastructure and equipment located on the premises, the facility is expected to be minimally affected by most major disasters apart from changes in the quantity of incoming waste.
2. The Facility will be most heavily impacted approximately 72 hours after an emergency, when the clean up, removal and disposal of rubble begins. The Facility may then need to be open around the clock (24 hour operation). Depending on the nature of the emergency, personnel and/or equipment may be needed to run the operation.
3. After the initial 72 hours, and if personnel and/or equipment have been provided for use at the facility, the current situation will be reevaluated in order to determine if facility operation should return to normal procedures, or if personal and/or equipment are still needed.

FIRST RESPONSE

DURING WORK HOURS

1. Remain calm and reassure others. Avoid objects that could fall. Do not touch downed power lines or objects touching downed power lines. This is especially significant at the landfill.
2. Report your location, physical condition and area damage to your supervisor.
3. Provided the facility areas are not severely damaged or inaccessible, continue with normal duties. In the event that certain areas are severely damaged, perform other duties as assigned by supervisor.
4. Supervisor should check all areas for structure damage. Also check utilities (power, sewer, gas and water lines). If necessary, turn these off. Call Tooele County dispatch and report findings.
5. All efforts will be made to contact Facility employees' families and others that employees have listed on the Family notification List. Employees will be notified of family status as soon as possible.

AFTER WORKING HOURS

1. Contact the Facility (if no response contacts Tooele County dispatch) and give your location, status, and availability. If you are unable to get to the Landfill, report to the nearest fire station for instructions on what to do or where to go.
2. The first person to arrive at the Landfill should check structures for damages. Also check utilities (power, sewer, gas and water) lines. If necessary, turn these off. Call Tooele County dispatch and report findings.
3. After all structures and utilities have been inspected, perform normal duties unless otherwise assigned by the supervisor.

FACILITY OPERATIONS

1. The Landfill will maintain regularly scheduled hours of availability.
2. When the emergency cleanup begins, approximately 72 hours later, the Facility may need to be open 24 hours per day.
3. The Solid Waste Disposal Division will supply fuel, equipment, and manpower as available (as needed) for cleanup in other areas of the county.
4. When 24-hour operation begins, personnel and equipment may need to be brought to the site to oversee disposal activities
5. During the cleanup and disposal of rubble, City/County and State Health department inspectors will need to be at the site to determine if the substance being disposed of contains hazardous waste material. If so determined, then the governing authorities (federal, state or local) must arrange for proper disposal at a designated hazardous waste disposal facility (not Tooele County Solid Waste Facility).
6. As directed by Tooele County Commissioners, emergency cleanup vehicles will be weighed or the volume measured and may or may not be charged. However, careful records must be kept for FEMA.
7. During 24-hour operation employees should expect to work 12-hour shifts. Management will designate employee's shifts.

TOOELE COUNTY HEALTH DEPARTMENT
SOLID WASTE MANAGEMENT FACILITY INSPECTION FORM

Site Name _____ Telephone _____ Date _____
Site Location _____ Site Owner/Operator _____
Facility Type: Municipal ___ C/D ___ Asbestos ___ Private ___ Other (specify) _____
Inspection Type: Construction ___ Permit ___ Complaint ___ Routine ___ Closure ___ Post-Closure ___
Consultation ___ Training ___
Site Acreage _____ Estimated Site Life Remaining _____

LEGEND OF INSPECTION NOTATION: X = Violation, OK = No violation, BLANK = Not inspected/Not applicable

UNAUTHORIZED WASTE EXCLUSION
( ) 1. Incoming loads inspected
(Check applicable methods)
( ) Random ( )10% ( )Suspicious
( ) 2. Procedures for notification implemented
( ) 3. Unauthorized or hazardous waste accepted
(specify in remarks)

WASTE COMPACTING
( ) 4. Adequate waste compacting equipment available
( ) 5. Waste compacting adequate

DAILY COVER
( ) 6. Daily cover provided (note type in remarks)
( ) 7. Daily cover thickness adequate

ACCESS CONTROL
( ) 8. Unauthorized access controlled
(note measures in remarks)

LITTER CONTROL
( ) 9. Litter control program in place
( ) 10. Access roads and facility free of litter

DISEASE & VECTOR CONTROL
( ) 11. Rodent, mosquito, fly measures taken
( ) 12. Rodent, mosquito, fly conditions present

AIR QUALITY
( ) 13. Open burning
( ) 14. Surface or subsurface fires
( ) 15. Appropriate air emission parameters monitored
( ) 16. Fugitive dust controls in place

RECORD KEEPING
(Documents kept and available)
( ) 17. Hard copy of operational plan
( ) 18. Employees trained on operational plan
( ) 19. Closure and post-closure plans
( ) 20. Cost estimates and financial assurance documents
( ) 21. Incoming load inspections
( ) 22. Rejected waste loads (including hauler's name)
( ) 23. Groundwater monitoring results
( ) 24. Methane gas monitoring results
( ) 25. Air emissions monitoring
( ) 26. County and State inspections
( ) 27. Personnel trained
( ) 28. Training program procedures
( ) 29. Inspection procedures
( ) 30. Closure and post-closure plans
( ) 31. Cost estimates and financial assurance

LINER
( ) 32. Constructed with an impermeable liner system
(specify type and thickness in remarks)

EXPLOSIVE GASES
( ) 33. Methane gas recovery or venting system in place
(specify type in remarks)
( ) 34. Methane gas monitored

LEACHATE COLLECTION SYSTEM
( ) 36. Constructed with a leachate collection system
( ) 37. Leachate collection system and operation approved

SURFACE WATER & RUN-ON/OFF CONTROL SYSTEM
( ) 38. System for diverting 24-hour, 25-year storm event
( ) 39. System for treating 24-hour, 25-year storm event
( ) 40. Refuse impacted surface water properly discharged

FINAL COVER
( ) 41. Covered with engineered system
( ) 42. 24 inch minimum thickness
( ) 43. Final cover meets maximum permeability requirement
( ) 44. Upper 6" capable of supporting vegetation
( ) 45. Completed portions of landfill re-vegetated
(note type in comments)

GROUNDWATER MONITORING SYSTEM
( ) 46. Groundwater monitoring system in place
( ) 47. Groundwater sampled and analyzed at required intervals
( ) 48. Department has latest groundwater results performed
( ) 49. Statistical comparison of analytical results performed
( ) 50. Wells: locked, concrete pad intact, casing intact, covered

CLOSURE PLAN
( ) 51. Methods, procedures, and process to be used for closure
( ) 52. Estimate of the portion of the landfill open for disposal
( ) 53. Estimate of the maximum inventory of wastes during landfill lifetime
( ) 54. Description of the final cover design
( ) 55. Schedule to complete closure
( ) 56. Inspections for settling
( ) 57. Inspections for subsidence
( ) 58. Inspections for erosion
( ) 59. Erosion prevention plan
( ) 60. Maintenance and operations for leachate collection and disposal
( ) 61. Groundwater monitoring
( ) 62. Methane gas monitoring

FINANCIAL ASSURANCE
( ) 63. Cost estimate of third party closure implementation
( ) 64. Cost estimate of third party post-closure implementation
( ) 65. Mechanism for funding closure and post-closure care

SITING RESTRICTION
( ) 66. 10,000 feet from turbojet aircraft airport
( ) 67. 5,000 feet from piston aircraft airport
( ) 68. In a 100-year flood plain
( ) 69. Measures taken to divert water flow from facility
( ) 70. Any part of facility or expansion area in a wetland
( ) 71. Within 200 feet of a fault having a displacement in Holocene
( ) 72. Within "seismic impact zone"
( ) 73. Within landslide prone area
( ) 74. Within subsidence prone area
( ) 75. Over Karst terrain or cavern
( ) 76. Within expansive soils area

Env. Health Specialist Signature: _____
Facility Operator Signature: _____