COMPOSTING PLAN

DRAFT

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1 INTRODUCTION

The Composting Plan (CP) has been prepared by the Fallon Paiute-Shoshone Tribe to guide the effective development and management of a pilot community composting project. This pilot project would enable the building of a composting program to test the logistics behind a larger program and build support among tribal departments, staff and the community at a minimal cost.

1.1 Description of the Community Service Area
The Fallon Paiute-Shoshone Tribe (FPST) of the Fallon Reservation and Colony is a Federally-recognized Indian tribe that manages tribal trust and non-trust properties.

1.1.1 Tribal Land Locations
The FPST Reservation is located in Churchill County is located 12 miles east of the City of Fallon.

The Fallon Colony is located approximately 2 miles North East of the City of Fallon.

The 36 acre Fox Peak Centre, which includes Fox Peak Station and Cinema are located within the City of Fallon limits and another Fox Peak Station located in the City of Fernley.

1.1.2 Population
The current FPST population of the Reservation is approximately 1200 tribal members.

1.1.3 Tribal Households and Subdivisions
The residential population on tribal lands is concentrated in areas designated as housing subdivisions. There are also numerous homes located outside of the designated subdivision areas on scattered sites. There are approximately three hundred and thirty households situated on tribal lands.

1.2 Solid Waste Stream
The general characteristics of the tribe’s waste stream were helpful in determining the need to develop a pilot composting program. Although the waste characterization does not contain quantities of waste type, it provides a generalization of the waste stream on tribal lands.

1.2.1 Residential
Residential waste typically includes wastes from single family dwelling units. This waste stream consists of paper, glass, metals, plastics, food waste, bulky items, furniture, and yard waste.
1.2.2 Commercial and Departmental Offices
These include tribal departments, convenience store/smoke shops, Fox Peak Cinema, senior center, emergency youth services and ITCN head start school. Typical wastes include paper, food wastes, cardboard, tin, aluminum, glass and plastics.

1.2.3 Yard Waste
Yard wastes typically include grass, weeds, and trimmings from trees and shrubbery.

2 PURPOSE

2.1 Purpose
The purpose of the Composting Plan is to attain a new environmentally sound, feasible, and publicly acceptable pilot composting program.

2.2 What is Composting?
Composting is the process of decomposing various recycled organic materials otherwise regarded as waste products that produce organic matter known as compost. Compost is rich in nutrients that can be added to soil as a conditioner to help plants grow.

2.3 Composting Goals
The Composting Plan addresses specific goals which will be achieved through a planning process. These goals are as follows:

- To insure that the Tribe has an environmentally and economically viable method of solid waste disposal and reuse.
- To develop and implement a pilot community composting project that will meet the needs and conditions of the Fallon Paiute-Shoshone Tribe.
- To improve waste management on tribal lands through reduction of landfill disposal by converting waste into a resource that is a benefit to the environment and community.
3 OBJECTIVES

3.1 Program Objectives
The following are the Composting Plan objectives for the development of a pilot community composting program.

3.1.1 Conduct a Compost Assessment
Conduct an assessment of tribal departments that generate organic materials/wastes and feedstock that will support the pilot project; determine method of composting; collection and sequence roll-out; conduct a public composting survey to determine community interest in participating in the pilot project.

3.1.2 Select a Tribal Compost Site
Inventory and evaluate available tribal lands that would feasible to support a tribal composting site, with ample space and available water source. Consider site preparation, access and security, including maximum scale site design and operations.

3.1.3 Develop a Tribal Composting Operations Plan
Research and develop a tribal composting plan to implement the composting program. Considerations will include site supervision, description of operations, site maintenance, nuisance control, and safety and accident prevention.

3.1.4 Implementation Timeline
Determine the composting sequence of activities; setting target dates for phases; pilot phase; expansion phase and full-scale phase.

3.1.5 Composting Outreach and Education
Provide community, departments and staff with outreach and education that encourages behavior change and beneficial knowledge of composting and implementation of the program.

3.1.6 Documentation of Pilot Composting Program Results
Document the amount and type of materials processed; end uses and amounts of compost; volunteer engagement and perceived community and environmental benefits; other.

3.1.7 Resource Needs and Budget
Determine the resource needs and budget to implement, continue or expand the composting program. Consider the operational costs, staffing, community support and partnerships and funding.
4 COMPOSTING MANAGEMENT

4.1 Composting Management
The following describes the present Fallon Paiute-Shoshone Tribe’s composting management system.

4.1.1 Current Composting System
Composting is a method for treating solid waste in which organic material is broken down by microorganisms in the presence of oxygen to a point where it can be safely stored, handled and applied to the environment. Composting is an essential part of reducing household wastes. There are two main types of compost facilities:

- Small scale operations such as residential backyard composting programs
- Community composting facilities

4.1.2 Current Composting Conditions
The Tribe does not presently have a composting program on tribal lands. Upon approval the FPST Composting Plan, the Environmental Protection Department will initiate the implementation of a pilot community composting project.

4.2 Roles and Responsibilities
The following are the roles and responsibilities of those within the Environmental Protection Department that play a role in the development and implementation of the solid waste management program.

4.2.1 Tribal Staff
It is the responsibility of the tribal staff to ensure that day-to-day activities are handled properly to meet the objectives of the FPST pilot composting program.

4.3 Facilities and Equipment
The Tribe presently does not have any onsite facilities for composting management.

The Environmental Protection Department has the following equipment to utilize for the development and implementation of the composting project:

- 2009 Chevrolet Silverado
- 2019 Dump Trailer
- 1 recycling Trailer
- 1 chipper
4.4 Education and Outreach
The Environmental Protection Department provides education to the community on reducing waste generation through implementing source reduction, recycling, reuse and composting. In order to effectively provide community outreach to the largest number of people possible, the following areas of public sources are utilized for educational opportunities:

- Community events
- Public Meetings
- Media outlets
- Senior outreach
- Youth outreach

4.5 Composting Programmatic Review
This FPST Composting Plan will be reviewed by the Environmental Protection Department at the end of the project to ensure that the needs of the Tribe and community residents are being met.

If the pilot composting project is determined to be feasible for the Tribe, it will be expanded to become a part of the solid waste management program. The Composting Plan is a living document. As conditions and circumstances change it may be necessary to update and revise the composting program.