SILOAM SPRINGS SOLID WASTE TRANSFER STATION OPERATING PLAN
SITE OPERATING PLAN

The Siloam Springs Solid Waste Transfer Station (herein referred to as the Transfer Station), located in Siloam Springs, Ar. will start operation Jan. 23rd 2006. The Transfer Station is owned by the City of Siloam Springs. The Transfer Station is located within the Tri-County Solid Waste District (herein referred to as District). The exact location of the Transfer Station is 1108 E. Ashley Street Siloam Springs, Ar. (County of Benton).

The Transfer Station concept is part of the proposed means of pursuing integrated solid waste management methods within the District. The Transfer Station is used for the following:

- Collection of municipal solid waste (MSW), from within the city limits and approximately 5 mile radius within the District, transferred into a more manageable size and increased density, then transferred by walking floor trailers to permitted Class 1 Landfill, Cherokee Nation Landfill.
- Collection of Class 4 waste and transportation to permitted Class 4 Landfill, Cherokee Nation Landfill.
- Recycling of plastics, glass, corrugated containers, newsprint, aluminum, and other metals.

The Transfer Station is not intended to process unsorted municipal solid waste for recycling, (i.e. "dirty MRF"). The Transfer Station is designed and operated to comply with Arkansas Department of Environmental Quality (ADEQ) regulations governing solid waste, hazardous waste, wastewater and stormwater. The Operating Plan for the Transfer Station takes the following items into consideration:

- Efficient layout and operation
- Acceptable materials and adequate storage
- Control of litter, insects, odors and vectors
- Leachate collection
- Personnel, supervision and training
- Safety
- Record Keeping
- Contingency Plan

TRANSFER STATION LAYOUT AND OPERATION

The Transfer Station is designed with the intent of providing an efficient operation that complies with all applicable regulations. The facility is situated to provide efficient traffic control in order to facilitate public waste disposal, as well as, the transport of waste and recyclable material from the Transfer Station. The Transfer Station is divided into the following main areas:

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- Office and employee breakroom
- Recycling facility
- Transfer Station
- Outside area for Roll-off Boxes, 2, 4, 6, yard rearload containers
- Household hazardous waste storage unit

All of these areas provide efficient and safe access to the public and to transfer vehicles.

ON SITE ROADS

The on site roads at the Transfer Station are designed to accommodate all types and sizes of vehicles in a safe and efficient manner. Concrete entrance and exit roads are located on the north and east sides of the Transfer Station for handling all types of vehicles and equipment. Actual tipping areas for waste disposal and recyclables are constructed of finished concrete. Drainage is improved to prevent washout or ponding of water on access roads.

SIGNS

A sign is located at the entrance to the Transfer Station depicting the hours of operation, and the safety related requirements for the facility. In addition, a sign at the Transfer Station office provides the rates for waste disposal and a warning on hazardous waste disposal. The hours of operation for the public are as follows:

Monday through Friday 8:00 am – 4:00 pm
Saturday 9:00 am – 12:00 pm

MEASURING / WEIGHING - LOADING / UNLOADING

Volumes / weights of incoming loads of all types of solid waste are estimated or weighed, on scales located at Transfer Station, in the office. The volume / weights of waste are then recorded on standard forms or weigh tickets. Documentation is also kept on a volume basis for all outgoing loads, including the destination for the waste.
The Transfer Station equipment is backhoe / loader, Semi-tractor with walking floor trailers. Operator directs incoming waste or recyclable material received at the Transfer Station. Individuals are responsible for unloading recyclable material into the designated containers. Waste materials disposed of in the Transfer Station are done by the individuals and under the direction of the Transfer Station Operator. The loading and unloading areas are adequately sized and designed to allow efficient and safe loading and unloading from private vehicles and waste collection vehicles. The loading and unloading areas are constructed of reinforced concrete. Adequate drainage provisions and structures are also provided for these areas. Transfer Station Operator and personnel will implement all necessary safety precautions for protecting workers during waste processing, loading, and unloading operations. Storage of MSW is not done in the facility, but the use of walking floor trailers for over night holding is used for a partial load to be finished loading the following day.

EMPLOYEE FACILITIES

An office, break room, and restroom are located within the Transfer Station. In addition, safety equipment and minor medical provisions are also available at the Transfer Station.

ACCEPTABLE MATERIALS

The Waste Transfer facility receives Class 1 MSW, Class 4 waste, and recyclables from private individuals and waste collection routes in and adjacent to Siloam city limits. These materials are delivered to the site by collection vehicles, public and private collection vehicles, community groups, and private individuals. Solid waste employees presently regulate access to the facility during normal business hours. All incoming loads of MSW received at the Transfer Station for processing are visually inspected for the presence of excluded waste. Excluded wastes include the following:

- Hazardous Waste and Special Materials
- Asbestos Waste
- Radioactive Materials
- Explosives
- Tires
- Batteries
- Yard Waste
- Medical or Infectious Waste
- Liquids
- Flammable or Volatile Substances
- Dead Animals
- Industrial Process Wastes

A temporary storage area, (Household Hazardous Waste Unit) for unacceptable waste is designated at the east side of the Transfer Station. Unacceptable waste detected in the incoming waste stream is removed and either returned to the waste generator or placed in covered storage until the waste can be properly identified and disposed. All solid waste processed at the transfer station is reclaimed, recovered, or disposed of at a permitted landfill. In addition, Transfer Station personnel are licensed operators that are trained and certified in the exclusion of hazardous waste. Records are kept of all unacceptable wastes and their subsequent handling, identification and ultimate disposal. The records include quantities of waste, identification, source of waste, hauler delivering the waste to the facility, date of the receipt and removal, and destination of the waste.

RECYCLABLES

Source separated recyclables are accepted at the Recycling Center. At present, the types of recyclables to be accepted at the facility include the following:

- Plastic (HDPE, PET)
- Glass (clear, brown, green)
- Newsprint / Magazines
- Corrugated cardboard (OCC)
- Aluminum
- Tin cans

These materials are collected from special recyclable material collection routes or from individuals that source separate their own waste material. No sorting of mixed MSW occurs at the recycling facility.

CONTROL OF LITTER, INSECTS, ODORS, AND VECTORS

Vectors are attracted by the presence of garbage and stagnant water. The Transfer Station is properly managed to assure that litter is picked and the Transfer Station is kept in a neat and orderly fashion. Transfer Station personnel control blowing litter and properly stored solid waste at all times. Areas outside of the building are patrolled to insure that waste material does not accumulate. All solid waste at the facility is stored and handled to prevent the attraction, harborage, or breeding of insects, rodents, and other vectors which may cause the following:

- Harm to public safety and the environment
- Safety hazards to individuals and surrounding properties
- Excessive odor problems, unsightliness and other nuisances

Ensuring that waste is processed and shipped as quickly as it is received so that no waste accumulation occurs controls vectors. The Transfer Station is properly maintained and cleaned routinely to prevent odors and residual waste from accumulating at the tipping area. All waste that is processed during the day is properly secured in transport trailers to a permitted landfill.

LEACHATE COLLECTION

Leachate, for the purpose of this application for a Transfer Station can be defined as water that comes in contact with the MSW. The ways that leachate may be generated are as follows:

- Leachate may be generated during the collection process and brought in collection vehicles with the MSW to the transfer station.
- Precipitation that comes in contact with the MSW at the Transfer Station. Because the Transfer Station is elevated the quantity of leachate that is generated from precipitation is very low.

The Transfer Station has been designed so that any leachate brought in to the building or generated during the various operations at the facility is managed with the waste or collected in a drain and managed in a sanitary sewer system.

STORMWATER RUN-ON / RUN-OFF AND DRAINAGE

Stormwater run-on to the site is diverted away from the Transfer Station area utilizing appropriate grading, small swales, and ditches. Because the MSW is transferred directly from a collection vehicle to the transport vehicle, very little leachate is generated. If leachate is generated it is diverted to the sites sanitary sewer system. Very little stormwater is expected to come in contact with the solid waste at the Transfer Station.

PERSONNEL, SUPERVISION, AND TRAINING

The City of Siloam Springs employs four to six people to oversee and operate the Transfer Station. The following people are located at the site and responsible for the operation of the Transfer Station:

- Public Service Manager
- Transfer Station Supervisor
- Recycling Coordinator
- Transfer Station Operator
- Transfer Station Assistant

The City of Siloam Springs trains all-new transfer station employees on the overall operation of the facility. In addition, specific job training and responsibilities for each operation are given to all employees. Manager, Supervisor, Recycling Coordinator, Transfer Station Operator, and Assistant are licensed and certified as a Class 1 Level C, in accordance with regulation 27 of the Arkansas Commission on Pollution Control and Ecology. In addition to routine training required for licensed operators under Regulation 27 routine training is held for all Transfer Station personnel. Training topics include:

- Hazardous waste exclusion
- Fire fighting
- Equipment safety and maintenance
- Vehicle safety and maintenance
- Proper use of safety gear

SAFETY

All Transfer Station personnel are required to wear protective gear consisting of hard hats, safety glasses, gloves, and boots. The City of Siloam Springs provides these items to their personnel. In addition, dust masks and hearing protection are provided to personnel

on an as-needed basis. The Transfer Station is equipped with safety equipment consisting of the following:

DESCRIPTION	LOCATION
> Fire Extinguishers	Various Locations
> Hoses connected to city water	Transfer Station Tipping Area
> Emergency Eyewash Station	Transfer Station / Recycling Facility
> Personnel Hygiene Area (restroom)	Office Area
> Breakroom / Restroom	Office Area

RECORD KEEPING

The Transfer Station maintains a record of all solid waste that is received from each vehicle at the transfer Station on a "Daily Log". Information recorded includes the vehicle tag number, amount of solid waste, a description of the waste, and the signature of the person transporting the waste. The Transfer Station also maintains a record in the office for the estimated quantity of waste processed at the facility and other operational data. The records maintained at the Transfer Station are as follows:

- Estimated quantity of waste received each day
- Estimated quantity of specific type of waste shipped each day
- Operational records (problems, vector, equipment data and repairs)
- Records of waste not accepted
- Destination of material transported

The records will be provided to the ADEQ on request.

CONTINGENCY PLAN

EQUIPMENT BREAKDOWN

In the case of equipment breakdowns or failures, unapproved waste delivered to the facility, or other excluded waste delivery, the Transfer Station will immediately halt waste transport to the Transfer Station and transport waste directly to a permitted landfill.

FIRE PROTECTION

Fire extinguishers are located at strategic locations at the facility for fire protection by transfer station personnel. In the event of a large fire or emergency the Siloam Springs Fire Department, (524-4321), is called to the scene. Water supply for fire fighting is from a fire hydrant located near the facility.

DELIVERY OF UNAPPROVED WASTE

Unacceptable waste is removed from the waste stream and either returned to the waste generator or placed in covered storage until proper identification and disposal. Records concerning unapproved waste and its subsequent handling are kept on file. The records will include information on waste identification, the source of the waste, the hauler

delivering waste to the facility, the date of receipt and removal, and the destination of the waste.

SPILLS

Spills (leachate) occurring inside the facility will be immediately controlled and cleaned-up by personnel at the Transfer Station. Spills occurring outside of the covered area of the Transfer Station will be immediately contained and cleaned-up.

ODORS

Because of an efficient layout and the ability to process waste on a daily basis, odors are kept down to a minimum at the Transfer Station.

DUST, NOISE, AND VECTORS

Dust is not considered to be a problem at the Transfer Station because all roads are asphalt and concrete. Noise should not be a problem at the Transfer Station due to the fact the facility is enclosed and located in an industrial zone. All equipment is maintained in good operating order to reduce the noise associated with the facility. The Transfer Station is managed to assure that vector control is properly maintained by processing all incoming waste / recyclable material immediately.