



General Site and Operating Information

The landfill site consists of approximately 2,652 acres of land owned by the City of Phoenix (City). The land is currently used for agricultural purposes. A map of the site and surrounding area is attached.

The City has reserved a 350- to 500-foot buffer around the perimeter of the landfill, as well as a 160-acre retention/recreation/public area at the south end of the site. The City will work with the Town of Buckeye (Buckeye) on the design and development schedule for this area. The perimeter will be landscaped. Approximately 700 acres of the 2,652-acre site will be allocated for buffer/park use.

The landfill will have a maximum cap height of 150 feet above existing grade. Additionally, the final landfill cap will be shaped in a manner to minimize visual impacts with the surrounding landscape. Native plants and grasses will be planted to blend with the surrounding area.

The City will provide road improvements on Patterson Road from State Route (SR) 85 to the landfill entrance, including turning and acceleration/deceleration lanes, as needed to accommodate the landfill truck traffic. The City will work with Buckeye to provide landscaping at the landfill along Patterson Road.

The City will work with Buckeye to expedite improvements of SR 85 through the state transportation planning process.

The landfill will be developed in 25- to 30-acre phases (see attached map). Farming operations will continue for as long as possible during landfill operations – up to 70 years. Berms will be constructed to screen the landfilling operations as each landfill phase is constructed.

Environmental Compliance

The SR 85 site will be designed and operated in accordance with all federal and state criteria that govern the siting, design, construction, and operation of municipal

landfill facilities. The City has already conducted cultural, biological, hydrogeological, geotechnical, and environmental studies on the site. This site will meet or exceed all applicable criteria.

The landfill will be designed and constructed with an Arizona Department of Environmental Quality (ADEQ)-approved liner system that provides isolation from groundwater. The City will monitor groundwater to verify that there is no impact from the landfill.

The landfill will comply with federal and county air quality requirements to monitor and control dust, odor, and organic compound emissions. A dust control plan is also required to comply with PM 10 (dust) regulations. Practices for dust control include spraying water, paving access roads, and stabilizing non-paved roads with dust-control materials such as gravel or asphalt millings.

Landfill gas that is developed over time as waste degrades within the landfill will be captured on site. The City will monitor the landfill and perimeter area for the presence of landfill gas, as required by federal, state, and county regulations. Uses for the gas will be explored.

Drainage improvements will control waters flowing to and from the landfill site in accordance with Flood Control District of Maricopa County requirements.

Berms will be constructed to control drainage, litter, and noise. Trucks serving the landfill will be covered to keep trash from spilling out in transport, and crews will police litter on site, adjacent to the site, and along Patterson Road. The landfill face will be covered daily to prevent litter.

Regulations require the City to use several methods to preclude the presence of vectors (rodents, insects, etc.). Timely placement and compaction of daily, intermediate, and final cover on the refuse fill will control odors and deprive vectors of a food source and thus discourage their proliferation.

Regulations also require the City to implement a waste screening program that will prevent the receipt of hazardous waste at the landfill.