

N. UTILITIES AND SERVICE SYSTEM

1. Wastewater

Existing Conditions On-Site Generation

Currently the proposed Project site is developed with a mix of land uses including office (287,701 sf), theater (148,481 sf), restaurant (144,390 sf), retail (57,316 sf), and health club (40,934 sf). The City of Los Angeles assumes water consumption is equal to wastewater generation as a worst case scenario. Based on a water consumption analysis prepared by the LADWP. (**Appendix 14**), water demand generated from the existing land uses is approximately 61 AF per year or an average daily demand of 54,351 gallons of water per day (GPD) seven days per week. This determination is based upon year 2000 water billings. Therefore, it is assumed that wastewater generated from the existing land uses is approximately 54,351 gallons per day (GPD) of wastewater. The City of Los Angeles assumes water consumption is equal to wastewater generation as a worst case scenario. Infrastructure and treatment facilities serving the proposed site allocate a percentage of their total capacity to the existing land uses. Development of the proposed Project would include the removal of two existing buildings prior to construction. The reduction in wastewater generation from the elimination of existing land uses will be subtracted from the proposed Project contribution as a means of predicting the net contribution from the proposed Project.

The sewer infrastructure in the vicinity of the proposed Project includes existing eight-inch, ten-inch, twelve-inch, and fifteen inch sewer pipes located northeast of Avenue of the Stars which all feed into an existing 33-inch concrete sewer in Century Park East. Additionally, there is a 10-inch sewer pipe located southwest of Avenue of the Stars. The nearest line to the Project is a 12-inch line in Avenue of the Stars. This line has a design flow capacity of 1.9 cubic feet per second (cfs).

The main sewer trunk line in the vicinity is a 33-inch line along Pico Blvd. The recommended design flow capacity limit for the main trunk line is 21.0 cfs or approximately 13.5 million GPD. The existing flow is 6.01 cfs based on available flow gauging records.

Treatment Facilities

The Hyperion Treatment Plant (HTP) currently provides wastewater treatment for nearly all of the City of Los Angeles, as well as several contract cities including Santa Monica, Beverly Hills, Burbank, Culver City, El Segundo, Glendale, San Fernando and portions of Los Angeles County. Completed in 1950, the Hyperion Treatment Plant was originally designed with a treatment capacity of 320 million GPD or 320 MGD. Since that time, the plant's capacity to provide full secondary treatment has been increased to 450 MGD. Current operations treat approximately 360 MGD to an acceptable level of primary and secondary treatment standards. Peak wet weather flows up to 1,000 MGD can be handled for short periods.

Treated wastewater is discharged by a 5-mile outfall pipe into the Pacific Ocean on a daily basis. The HTP also has a one-mile outfall pipe that is used only in emergency situations, and a seven-mile outfall pipe that is no longer maintained. Solids generated from the treatment process are not pumped through the outfall pipe, but instead are managed on land through a variety of methods

Threshold of Significance

The City of Los Angeles has determined that a proposed Project would result in a significant wastewater impact if:

- The project would cause a measurable increase in the wastewater flows at a point where, and a time when, a sewer's capacity is already constrained or that would cause a sewer's capacity to become constrained; or

- The project's additional wastewater flows would substantially or incrementally exceed the future scheduled capacity of any one treatment plant by generating flows greater than those anticipated in the Wastewater Facilities Plan or General Plan and its elements.

Project Impact

The City of Los Angeles Bureau of Sanitation has indicated that the proposed Project would result in an additional wastewater generation of 0.02 cfs (about 10,000 gpd).⁵⁴ This represents approximately 1.0% of the flow design capacity of limit of the 12-inch sewer line in Avenue of the Stars. As indicated above, the City of Los Angeles assumes water consumption is equal to wastewater generation as a worst case scenario. The water consumption analysis prepared by the LADWP, determined that the Project would result in a net increase in water demand of 21 acre feet per year or an average daily increase of 18,711 gpd. This amount would represent approximately 1.5% of the flow design capacity limit of the existing sewer line. The City Bureau of Sanitation has indicated that should the Project generate either 10,000 or 18,711 gpd, there is sufficient capacity in the sewer system to accommodate the Project.⁵⁵ Additionally, the Project would be constructed under New Title 24 building requirements. New Title 24 provides for more stringent water conservation measures. For reference, a comparison of New Title 24 requirements to the existing on-site fixtures is provided in **Table V.N.1-1**.

Table V.N.1-1
Current Title 24 Requirements Versus Existing Uses

Fixture	Flow Requirement
<u>Existing Conditions</u>	
Toilet	3.5 gallons/flush
Urinal	3.0 gallons/flush
Sink Faucet	No Restriction
<u>New Title 24</u>	
Toilet	1.6 gallons/flush
Urinal	1.0 gallons/flush
Sink Faucet	0.5 gallons/minute
Source: Syska Hennessy, Inc., 2001	

Mitigation Measures

The Project would not generate a significant wastewater impact. Therefore, no mitigation measures are warranted.

Significant Project Impact After Mitigation

The proposed Project would not generate significant wastewater impacts.

Cumulative Impact

Related projects would generate an estimated 625,371 GPD of wastewater. (Calculation of cumulative wastewater generation is shown in **Table V.N.1-2**.) Adding the proposed Project would result in a total wastewater generation of 644,082 GPD. Related projects must comply with the City's water conservation policies would be subject to review for adequate sewer capacity. The cumulative impact

⁵⁴ City of Los Angeles Bureau of Sanitation Wastewater Engineering Services Division, letter dated April 26, 2002.

⁵⁵ City of Los Angeles Bureau of Sanitation, letter dated April 26, 2002, and phone conversation with Mr. Nelson Sarti, Bureau of Sanitation, May 13, 2002.

would be consistent with the General Plan and no major inconsistencies with the Wastewater Facilities Plan are anticipated. Therefore, cumulative impacts to the wastewater treatment systems would be considered less than significant.

INSERT Table V.N.1-2
Daily Wastewater Generation from Related Projects