



Appendix 3.2-5

**Correspondence with Nassau
County Department of Public
Works Regarding Sewer
Availability**

BRUCE A. BLAKEMAN
NASSAU COUNTY EXECUTIVE



KENNETH G. ARNOLD, P.E.
COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
1194 PROSPECT AVENUE
WESTBURY, NEW YORK 11590-2723

May 10, 2024

Christopher A. Weiss, P.E.
H2M Engineering
538 Broadhollow Road
Melville, New York 11747

Re: Sanitary Sewer Availability
Sands New York Integrated Resort
1255 Hempstead Turnpike, Uniondale
Section 44; Block F; Lot 415

Dear Mr. Weiss:

We have received your request for sewer availability for the proposed development in Uniondale. The proposed sanitary discharge will connect to the Nassau County sewer system.

Be advised that the Nassau County sanitary sewer collection system has sufficient capacity for the anticipated sanitary discharge of 810,000 GPD and the Cedar Creek Water Pollution Control Plant also has sufficient capacity to provide treatment for the same anticipated flows.

Prior to connecting the new facility to the Nassau County sewer system, an Industrial Waste permit may be needed. You may contact Pasquale Assalone at (516)-571-6887 for additional information.

This approval is for two (2) years from the date of this letter. If a sewer permit has not been applied for by this date a follow-up request is required.

Should you have any questions, please contact Mr. Peter Pyne at (516) 571-6843.

Very truly yours,

Kenneth G. Arnold, P.E.
Commissioner of Public Works

KGA:VF:rp

c: Vincent Falkowski, Deputy Commissioner for Environmental Programs
Karen Fay, Sanitary Engineer III
Peter Pyne, Project Manager IV



architects + engineers

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747 | tel 631.756.8000 | h2m.com

April 30, 2024

Commissioner Kenneth Arnold, P.E.
Nassau County Department of Public Works
1194 Prospect Avenue
Westbury, NY 11590

**Re: Sands New York Integrated Resort
Nassau Veterans Memorial Coliseum Property, Uniondale, NY
Sanitary Sewer Availability Request
H2M Project No.: LVSC2301**

Dear Commissioner Arnold:

H2M architects + engineers, contracted as an engineer for the Las Vegas Sands Corp., has completed a sanitary flow and capacity report for the proposed Sands New York Integrated Resort (Integrated Resort) project at the Nassau Veterans Memorial Coliseum (Coliseum) property in Uniondale, NY. A copy of the report is provided with this letter.

The findings detailed within the report, following detailed flow monitoring of the upstream and downstream sanitary collection system servicing the Integrated Resort site; capacity evaluation of the sanitary collection system downstream of the Integrated Resort site; and sanitary flow elevation presently received by the downstream Cedar Creek Wastewater Treatment Plant determined that the existing sanitary collection system and wastewater treatment facility at Cedar Creek both have sufficient capacity for the proposed Integrated Resort project. The findings, in summary, are as follows:

1. Total Sanitary average daily sanitary flow generated by the proposed Integrated Resort project is 810,000 gpd.
2. Cedar Creek WWTP has a capacity of 72 MGD and is currently receiving an average daily flow of 63.83 MGD, as per the 2021, 2022, and 2023 EPA reported flow records. Leaving approximately 8.17 MGD of available capacity.
 - a. The requested treatment plant sewer availability is less than 10% of the remaining available capacity.
3. The downstream sanitary collection system has a 48-inch interceptor that was analyzed to be the limiting section of the downstream collection system.
 - a. This 48-inch section of sewer has a peak capacity of 7.83 MGD.
 - b. Peak flows from all contributing areas served by this 48-inch section of sewer is 3.03 MGD.
 - c. Therefore, the remaining available peak flow capacity is 4.8 MGD.
 - d. Applying a peaking factor of 3.04 to the peak flow available capacity equates to an available average daily capacity of 1.58 MGD.

- e. The available average daily capacity in the sanitary collection system is nearly double the requested average daily capacity allocation for the proposed development project, resulting in 770,000 gpd of available average daily capacity remaining in the sanitary collection system.

Based on these findings, we have determined that there is sufficient sewer availability in the Nassau County system for this proposed development and are requesting a sewer availability letter for this proposed development.

If you have any questions on this request or the information provided, please do not hesitate to contact us.

Very truly yours,

H2M architects + engineers

Christopher A. Weiss, P.E

Sr. Vice President – Director Wastewater Engineering

Enc. Sanitary Flow Monitoring and Capacity Evaluation Report

cc: Vincent Falkowski, Deputy Commissioner NCDPW (w/encl)
Maryanne Dioquino, P.E. - Hazen (w/encl)
JMV, NFB, SJM – H2M (w/encl)