

TRI-STATE SEMINAR TOUR



WASTEWATER TREATMENT PLANT TOUR CITY OF LAS VEGAS WATER POLLUTION CONTROL FACILITY

TUESDAY, AUGUST 8, 2023

Session: 8801

Cost: \$20 per person

Open to 20 Registered Attendees

**DEPARTURE FROM
SOUTH POINT HOTEL & CASINO**

Bus Loading: 6:45 AM

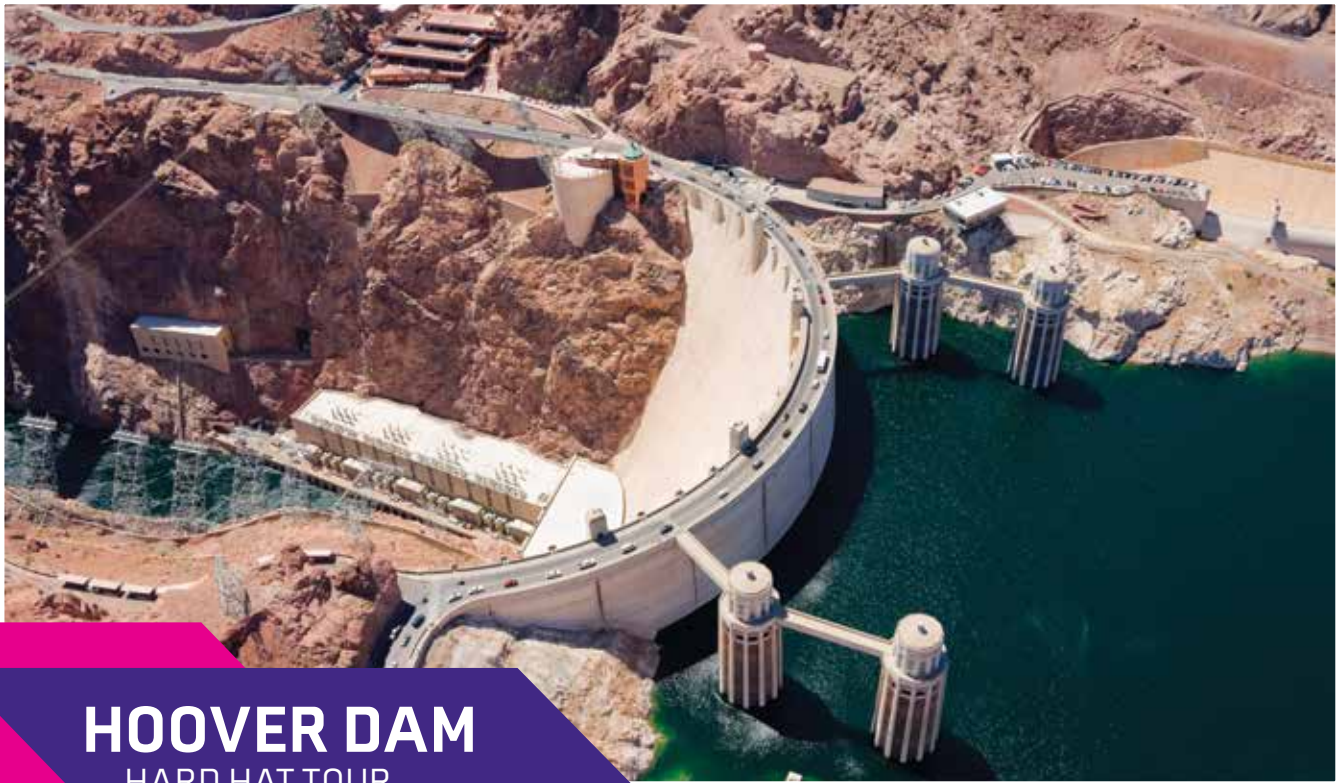
Bus Departs: 7:00 AM

Bus Returns: 11:00 AM

Attendees are encouraged to wear comfortable clothes and bring bottled water. Closed toe shoes are required. Weapons, including pocketknives, are not allowed. Children must be accompanied by a responsible adult. ***This is a secure facility and registration will close July 28, 2023 so attendee information can be submitted for background check. Non-US citizens will be required to submit a passport number. No substitutions after July 28, 2023.***

The City of Las Vegas Water Pollution Control Facility (WPCF) is one of four major wastewater treatment plants located in the Las Vegas valley. The WPCF collects wastewater from the incorporated areas of Las Vegas and uses a variety of technologies to produce a high-quality effluent for discharge to the Las Vegas Wash which flows to Lake Mead, the main source of drinking water for the Las Vegas valley. The WPCF employs screening and grit removal technology as well enhanced primary sedimentation through the addition of ferric chloride. Primary effluent is further treated through two activated sludge processes where nitrification, denitrification, and biological phosphorus removal produce a high-quality secondary effluent. Tertiary treatment is media filtration with alum addition to sequester more phosphorus and disinfection is by sodium hypochlorite with sodium bisulfite for dichlorination before discharge. The facility operates some of the only anaerobic digesters in the valley used to generate electricity and continues to investigate co-gen applications to further sustainability initiatives.

TRI-STATE SEMINAR TOUR



HOOVER DAM HARD HAT TOUR

TUESDAY, AUGUST 8, 2023

Session: 8802

Cost: \$70 per person

(Lunch on your own at the Dam)
Open to 50 Registered Attendees

**DEPARTURE FROM
SOUTH POINT HOTEL & CASINO**

Bus Loading: 8:45 AM

Bus Departs: 9:00 AM

Bus Returns: 3:00 PM

WEDNESDAY, AUGUST 9, 2023

Session: 8803

Cost: \$70 per person

(Lunch on your own at the Dam)
Open to 50 Registered Attendees

**DEPARTURE FROM
SOUTH POINT HOTEL & CASINO**

Bus Loading: 8:45 AM

Bus Departs: 9:00 AM

Bus Returns: 3:00 PM

Attendees are encouraged to wear comfortable clothes and bring bottled water. Closed toe shoes are required. Weapons, including pocketknives, are not allowed. Children must be accompanied by a responsible adult. This tour involves an elevator ride down and up. Persons with pacemakers or claustrophobia must determine their own level of comfort before registering for the tour. **This is a secure facility and registration will close July 14, 2023, so attendee information can be submitted for background check. Non-US citizens will be required to submit a passport number. No substitutions after July 14, 2023.**

The entire tour of the dam and power plant are centered on the importance of water – quantity, quality, and utility. A look into the wastewater facilities will emphasize the challenges faced by operating high volume but very seasonal facilities with significant variations in flows and demand while highlighting the legal challenges for compliance with those facilities as they share a common border between two states (CA & NV). Tour participants will leave with a better understanding of the importance of water and water quality for power generation and irrigation while gaining a perspective on the challenges in water and wastewater treatment for seasonal tourist destinations.

TRI-STATE SEMINAR TOUR



VENETIAN HOTEL & CASINO SUSTAINABILITY TOUR

WEDNESDAY, AUGUST 9, 2023

Session: 8804

Cost: \$15 per person

Open to 20 Registered Attendees

**DEPARTURE FROM
SOUTH POINT HOTEL & CASINO**

Bus Loading: 1:15 PM

Bus Departs: 1:30 PM

Bus Returns: 4:00 PM

THURSDAY, AUGUST 10, 2023

Session: 8805

Cost: \$15 per person

Open to 20 Registered Attendees

**DEPARTURE FROM
SOUTH POINT HOTEL & CASINO**

Bus Loading: 9:15 AM

Bus Departs: 9:30 AM

Bus Returns: 12:00 PM

Attendees are encouraged to wear comfortable clothes and bring bottled water. Closed toe shoes are recommended. Weapons, including pocketknives, are not allowed. Children must be accompanied by a responsible adult. **Registration will close July 28, 2023, so attendee information can be submitted to the hotel. No substitutions after July 28, 2023.**

The Las Vegas master-planned development which combines the Venetian, the Palazzo, and the Venetian Expo and Convention Center all under one roof, is the largest “green” building on the plant. From the shower heads and automated heating and lighting systems in the all-suite resort, to water recycling for the gardens and the largest solar-thermal system in the U.S., their efforts are revolutionary. The Sands Eco 360° Global Sustainable Development program has several key elements: operational maintenance policies; construction and development strategies; and ultimately, their commitment to the communities in which they operate.