

Napa Sanitation Earthquake - Video Script

Cast: Gabe – Control Room Operator Lead

Zee Tran – Panel Operator (SCADA)

Steve – Investigating Operator Lead

Levi Fuller - Investigating Operator

Andrew – OIT (Operator in Training)

Tara – Laboratory Chemist/Biologist

Rodrigo – Laboratory Chemist/Biologist/Bi-Lingual

Introduction Scene:

Steve : Hi. My name is Steve Chavis, I'm an Operator III at the Napa Sanitation District. Our work is very important for our community and the environment. Here we operate several treatment processes to remove pollutants from the water.

Gabe : I'm Gabe Snook. I'm also an Operator III with the District. In addition to what Steve said we also produce recycled water for use in irrigation. Additionally, we put the bio-solids we capture and the energy that's created into beneficial reuse. I guess you can say we are a resource recovery facility.

Andrew: I'm Andrew Jellison. I'm working at the District as an "Operator in Training" gaining qualified work experience as a Wastewater Operator.

Levi Fuller: Hi I'm Levi Fuller. (intro.)

Zee Tran: Hi I'm Zee Tran. (intro.)

Steve: We use math on a regular basis in the operation of our treatment plant to make sure they are working right and to tell us if changes need to be made.

Gabe : We thought we could share with you how we used math to help us through the earthquake we had in August 2014.

Scene 1

Open with video of parking lot and trucks.

When trucks start shaking show text " Napa Sanitation District Earthquake August 2014"

Scene 2 Control Room (Reference pictures Panel- 1, Panel- 2)

Show control room Gabe and Panel Operator at console.

Focus Gabe on phone, "They're saying it was a 6.1 centered on the other side of the River.... No, so far we found no damage and the plant is operating well... I'll keep you informed." Hangs up.

Focus, Control area capturing Gabe and Panel Operator

Gabe to Panel Operator – "Hey did Steve and Andrew check in yet?"

Panel Operator – "They said they'd be up in a minute. Here they come now."

Steve and Andrew can be seen coming up to the control room door and entering.

Steve, informing, "Everything looks good. We just checked out the Digester and Aeration Basin area. Everything looks good. We're going to go check the influent."

Gabe and Panel Operator acknowledge.

Steve and Andrew leave.

Scene 3 - Shot of Steve and Andrew walking using sky as background

Focus front shot of Steve and Andrew walking.

Andrew : "I'm really surprised the plant held up."

Steve: "Yeah it was centered just across the River less than a mile away.

This is a real testament to seismic engineering.... Did you ever see all the math that goes into those calculations?"

Andrew: " Yah, it's almost as much math as I have to do to get certified!" (Both chuckle) "Hey, do you smell wine?"

Scene 4 - Influent Pumping Station, Steve and Andrew at open hatch (Reference pictures IPS-1, IPS-2)

Focus Steve and Andrew looking down into the influent

Andrew: "Wow, the flow is purple!"

Steve: "Looks like straight wine."

"Man, that's going to knock the plant out. Get ahold of panel and see if they can grab a sample."

Scene 5 - Control Room

Control Room (Gabe, Panel Operator Rodrigo)

Shot of Panel Operator, alarm going off,

Panel Operator: "Hey the influent pH is in alarm and dropping!"

Phone rings. Gabe answers. "Wine? Makes sense, the pH went into alarm. I'll notify the lab."

Gabe to Rodrigo: "Rodrigo, puedes tomar una muestra de el influente"?(Can you grab a sample of the influent)

Rodrigo: Si Senor(Yes Sir)

Scene 6 – Laboratory – Plastic sample bottles on floor (Reference pictures Lab-1, Lab-2)

Shot of Tara cleaning up broken glass in the lab, fallen plastic bottles scattered across the floor

Tara answers phone, " low pH? sure Gabe. I'll head up there and grab a sample now.

Scene 7 – Influent Pumping Station

Back to Andrew and Steve

Andrew – "Maybe we should divert the flow to the pond."

Steve – "Maybe, but first we need to do some of that math you were taking about.

ENDING:

Steve: I've found being a Wastewater Operator is a great job, very interesting and rewarding. Not only is there good pay and benefits and job security, you can do your share as a steward of the environment.

Gabe: If you'd like to hear more about how Steve and I got our jobs and how you could prepare yourself for a career in the Water or Wastewater industry, please visit the BAYWORK website to hear our personal stories. The career section of the website is full of information about great water industry jobs.