

Date of this Incident: 2013-02-15
Study conducted from 01/15/2013 to 02/04/2013

CITY OR AGENCY NAME:
Victor Valley Wastewater Reclamation Authority

FACILITY NAME:
Victor Valley Wastewater Reclamation Authority

FACILITY LOCATION:
20111 Shay Rd
Victorville, CA 92392

FACILITY TYPE WHERE THIS INCIDENT OCCURRED?
 Gravity Sewer Lift or Pump Station or Force Main
 Wastewater Treatment or Reclamation Plant (WWTP)

DESCRIPTION OF THIS INCIDENT * :
 In Early 2010 the Submersible pumps at VVWRA Oro Grande Pump Station wet well were being removed and deragged on average once per week. an investigation of the cause of such ragging issues were launched and a final report was issued in February 2013 (attached)

Were photos taken of the non-dispersible debris mass? Yes No
 If yes attach photos.

Were samples of materials in the debris mass taken, sorted, cleaned, and photographed for follow up identification and use?..... Yes No

ACTION TAKEN TO REMEDY THIS INCIDENT:
 Exploring options to install grinder upstream of wet well

If known at this time, describe any added changes or capital improvements to the facility you might be planning to prevent recurrence:
 Exploring options to install grinder upstream of the wet well

* Was this a blockage, unplanned corrective maintenance CM task, planned/routine PM task to minimize blockages and/or ensure reliability, was equipment damaged such as a pump motor, etc.? Include quantity and types of materials found. Identify materials by name brand or distinguishing features if possible. If at a pump or lift station, were other components such as valves or piping clogged, wetwell cleaning needed? Describe the incident as best you can.



NON-DISPERSIBLES INCIDENT REPORT

Describing this incident please provide estimates of:

Staff Labor Hours Used Including Travel Time: 22

Contractor Hours Used If Any: 0

Equipment Used: Manhole Screens

Estimated Total Labor Cost (\$): 990

Estimated Total Equipment Cost (\$): TBD

Estimated Cost of Damage if Equipment or Components Needed Replacement:
TBD

Total Estimated Cost of this Incident (\$): TBD

Did the incident cause a sewage spill? Yes No

If yes, provide estimated volume of spill as also provided to CIWQS in CA.:

[Click here to enter number.](#) Gallons

Additional comments or information you have that you feel is important to provide that was not provided in the fields above?

This has been an ongoing issue with the submersible pumps at this particular wet well, no grinder is installed upstream and the amount of non-dispersible material received has been increasing over the years

Contact Name and Phone Number or Email Address for SCAP follow up?

Latif Laari llaari@vwwra.com Cell#7609545083

www.scap1.org

Non-Dispersible material collected over 12 days study period

- 1. Average flow: 62000 gpd**
- 2. Peak Flow: 280000 gpd**
- 3. Pipe Size: 8"**
- 4. Type of flow: mostly residential
with 1 industry (Cement Plant)**
- 5. Weight: 5.5 pounds dry**
- 6. Volume: 5 gallons wet**







Date of this Incident: 2011-11-27

CITY OR AGENCY NAME:

City of Yakima

FACILITY NAME:

Yakima Regional Wastewater Treatment Facility

FACILITY LOCATION:

(If this is a security issue please provide as much information as your policy allows)

STREET NUMBER

STREET NAME

2220 E. Viola Avenue

CITY/SUBURB

ZIP CODE

Yakima, WA , 98901

FACILITY TYPE WHERE THIS INCIDENT OCCURRED?

Gravity Sewer

Lift or Pump Station or Force Main

Wastewater Treatment or Reclamation Plant (WWTP)

DESCRIPTION OF THIS INCIDENT : *

Dumpster full of rags on Sunday 11/27/11, Monday, 11/28/11. Plugged compactor. Rags resembled wipes used at nursing homes.

* Was this a blockage, unplanned corrective maintenance CM task, planned/routine PM task to minimize blockages and/or ensure reliability, was equipment damaged such as a pump motor, etc.? Include quantity and types of materials found. Identify materials by name brand or distinguishing features if possible. If at a pump or lift station, were other components such as valves or piping clogged, wetwell cleaning needed? Describe the incident as best you can.

NON-DISPERSIBLES INCIDENT REPORT

Were photos taken of the non-dispersible debris mass? Yes No

If yes attach photos.

Were samples of materials in the debris mass taken, sorted, cleaned, and photographed for follow up identification and use? Yes No

ACTION TAKEN TO REMEDY THIS INCIDENT:

Checked upstream manholes.

If known at this time, describe any added changes or capital improvements to the facility you might be planning to prevent recurrence:

NA

Describing this incident please provide estimates of:

Staff Labor Hours Used Including Travel Time: 1 hour adding wood chips to compactor

Contractor Hours Used If Any: na

Equipment Used: na

Estimated Total Labor Cost (\$): \$55

Estimated Total Equipment Cost (\$): NA

Estimated Cost of Damage if Equipment or Components Needed Replacement:

NA

Total Estimated Cost of this Incident (\$): \$55.00

Did the incident cause a sewage spill? Yes No

If yes, provide estimated volume of spill as also provided to CIWQS in CA.:

Click here to enter number. Gallons

Additional comments or information you have that you feel is important to provide that was not provided in the fields above?

Several years ago the City of Yakima WWTP headworks received numerous slugloads of rags. In 2008 letters were sent out to all the area septic hauling companies. In 2009 and 2011 the City of Yakima sent out informational letters to all commercial businesses in City limits. The local newspaper interviewed the City's Wastewater Process Control Supervisor. "Rag Chains" were installed on main lines to track possible sources of the rags. One commercial business was found that may have been the culprit. Amazingly, the almost weekly slugload of rags has been reduced to about once/6 months.

Contact Name and Phone Number or Email Address for SCAP follow up?

Arlene Carter, 509-249-6816. Arlene.carter@yakimawa.gov

Upon completion, please email or fax report form and any supporting documentation to John Pastore, Executive Director, SCAP at jpastore@scap1.org ; fax # 760-479-4881.
www.scap1.org



John Pastore

From: Carter, Arlene <Arlene.Carter@yakimawa.gov>
Sent: Tuesday, April 16, 2013 2:25 PM
To: 'jpastore@scap1.org'
Subject: City of Yakima rag issues
Attachments: Non-Dispersibles Incident Report 041613.docx; rags 080812.jpg

Hi John,

Please see the attachment for a City of Yakima rag incident report. We had a lot of problems several years ago and I don't know if the letters to commercial businesses, Utility Billing inserts to residential users and newspaper articles made a difference but we don't have the problem that we used to have. We still get the 'disposable' towels but at least we're not plugging up our compactor and filling up a dumpster in a matter of a half hour. We also set-up "rag chains" to try to track down the source of the rags. We did have one suspect business that had City sewer manholes that were inside their facility. These manholes were permanently sealed.

The pic was from a 2012 rag slugload....I will contact our Collection Crew Supervisor to find out if we've had any sewer back-ups caused by rags.

Thanks!

Arlene Carter
Pretreatment Supervisor
City of Yakima Wastewater Division
(509) 575-6077
arlene.carter@yakimawa.gov
<http://www.yakimawa.gov>

Date of this Incident: 2013-03-19

CITY OR AGENCY NAME:

Orange County Sanitation District (OCSD)

FACILITY NAME:

Inverted Siphon - Yorba Linda to SARI

FACILITY LOCATION:

(If this is a security issue please provide as much information as your policy allows)

STREET NUMBER

STREET NAME

Easement located South of La Palma Blvd and North of the Santa Ana River in the City of Yorba Linda

[Click here to enter street name.](#)

CITY/SUBURB Yorba Linda, CA

ZIP CODE 92687

FACILITY TYPE WHERE THIS INCIDENT OCCURRED?

Gravity Sewer Lift or Pump Station or Force Main

Wastewater Treatment or Reclamation Plant (WWTP)

DESCRIPTION OF THIS INCIDENT :

This new facility was recently placed in service in 2013. Non-dispersibles build up on the upstream bullnose in the channel that splits flow to each 12 inch dia. pipe in the two barrel inverted siphon. The siphon is 908 ft. long. The upstream sewer is 18 inches in diameter. The manhole in the attached before and after cleaning photos is 27 ft. deep. A permit required confined space entry is needed to remove the materials to prevent a blockage and a potential spill in the river nearby. This will now be a new trouble spot PM task.

* Was this a blockage, unplanned corrective maintenance CM task, planned/routine PM task to minimize blockages and/or ensure reliability, was equipment damaged such as a pump motor, etc.? Include quantity and types of materials found. Identify materials by name brand or distinguishing features if possible. If at a pump or lift station, were other components such as valves or piping clogged, wetwell cleaning needed? Describe the incident as best you can.

NON-DISPERSIBLES INCIDENT REPORT

Were photos taken of the non-dispersible debris mass? Yes No

If yes attach photos.

Were samples of materials in the debris mass taken, sorted, cleaned, and photographed for follow up identification and use? Yes No

OCSD Note: samples can be made available. Debris volume was not captured for this event.





ACTION TAKEN TO REMEDY THIS INCIDENT:

Removed non-dispersibles. Added the location to the trouble spot list.

NON-DISPERSIBLES INCIDENT REPORT

If known at this time, describe any added changes or capital improvements to the facility you might be planning to prevent recurrence:

Possibly keeping the northern siphon pipe blocked off. This may allow the materials to not collect but could create downstream risks. The blocked off pipe could also increase odor and other problems.

Describing this incident please provide estimates of:

Staff Labor Hours Used Including Travel Time: 12 man hours including round trip travel time of about two hours.

Contractor Hours Used If Any: N/A

Equipment Used: Two Utility vehicles and confined space entry equipment

Estimated Total Labor Cost (\$): 450.00 includes travel time for this first event

Estimated Total Equipment Cost (\$): 100.00

Estimated Cost of Damage if Equipment or Components Needed Replacement:

N/A

Total Estimated Cost of this Incident (\$): 550.00

Did the incident cause a sewage spill? Yes No

If yes, provide estimated volume of spill as also provided to CIWQS in CA.:

Click here to enter number. Gallons



SOUTHERN CALIFORNIA ALLIANCE OF
PUBLICLY OWNED TREATMENT WORKS

NON-DISPERSIBLES INCIDENT REPORT

Additional comments or information you have that you feel is important to provide that was not provided in the fields above?

Other system owners should check their similar facilities and report their findings using this form if they are seeing problems. This will help alert others.

Contact Name and Phone Number or Email Address for SCAP follow up?

At this time: Nick J. Arhontes at 714-593-7210 or narhontes@ocsd.com

www.scap1.org