

Andrea Wilkes

From: Michael Skougard [michael.skougard@gmail.com]
Sent: Thursday, March 18, 2010 8:36 PM
To: Andrea Wilkes
Subject: Fwd: Wastewater Questions

Andrea,

Here's Dave's response on the question of utilization of the septic systems. Sounds like the 7 they service run pretty much at capacity.

Mike

----- Forwarded message -----

From: Rudolph, David <RudolpDD@nv.doe.gov>
Date: Thu, Mar 18, 2010 at 2:01 PM
Subject: RE: Wastewater Questions
To: Michael Skougard <michael.skougard@gmail.com>

We service those systems quarterly, they are some of the most heavily used systems...i.e. Gate 100, U1A, Wet -n-Wild, I would say those systems are running at or very, very, near capacity (5000 gpd).

David D. Rudolph

Senior Scientist

Water and Waste Section

National Security Technologies

702.295.1224

From: Michael Skougard [mailto:michael.skougard@gmail.com]
Sent: Thursday, March 18, 2010 1:35 PM
To: Rudolph, David
Subject: Re: Wastewater Questions

Dave,

I'm not sure you can answer this one but if I don't ask, I'll never know for sure. So, do you have any data on the amount of current wastewater treated in the 7 septic systems you all manage? (to see what percentage of capacity they are currently using.)

Thanks.

Mike

On Thu, Mar 18, 2010 at 12:39 PM, Rudolph, David <RudolpDD@nv.doe.gov> wrote:

Mike,

There are currently 24 permitted septic systems located at the NTS. Of those 24 systems the Water and Waste department actively handles 7 systems (quarterly maintenance associated with keeping those tanks up and running. The rest of the tanks are under the supervision/responsibility of the Facility Managers). Each septic tank has a capacity of 5,000 gpd discharge.

There are 10 Lagoons listed under GNEV93001 NDEP general wastewater discharge permit, only 2 lagoons are currently active and receiving flow, Mercury and Yucca. The rest of the areas were converted to septic systems because of lack of population and reduced flow. Attached is the breakdown for the last 5 yrs of flow data for the 2 active lagoons, (I broke it down all the way to gallons per day for every year).

As far as population that contributes to each lagoon systems flow (Area 23 and Area6), I have no idea how many people are stationed in Mercury and the Forward Areas, you might want to check with someone in Human Resources. They should be able to give you a better estimate than I would.

Hope this helps, let me know if you need anything else.

David D. Rudolph

Senior Scientist

Water and Waste Section

National Security Technologies

From: Michael Skougard [mailto:michael.skougard@gmail.com]

Sent: Wednesday, March 17, 2010 2:12 PM

To: Rudolph, David

Cc: Andrea Wilkes; Enyeart, Sandra B.; Mike West; Cohn, Linda; carrie.stewart; Morris, Patrick

Subject: Wastewater Questions

Dave,

Some questions on the NTS Wastewater System.

1. We understand that there are 7 septic systems at the NTS and 2 active lagoon wastewater treatment systems. If this is incorrect, please provide the correct information. Could you provide the capacity of each of these systems?
2. What is the annual volume of wastewater treated in the NTS wastewater treatment systems? If possible, could you provide information for the past five years? If not, whatever you can provide will be appreciated.

Thanks for your help.

Mike Skougard