From: Richard Kahn <[redacted]>
To: Bob Petersen <[redacted]>
Cc: ann rodriquez <[redacted]>
Subject: Re: TSG - LSJ Design Approach
Date: Fri, 05 Feb 2016 15:00:56 +0000

Thank you for excellent recap.
Please coordinate your timing for Tuesday am with Anna [redacted]
Look forward to hearing about your findings next week..

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On Feb 5, 2016, at 9:29 AM, Bob Petersen <[redacted]> wrote:

Richard,

Thanks for the call yesterday. Am recapping the approach we used at LSJ that worked out well for your consideration on your future project:

2007 - TSG designed and installed a 25,000 gpd "temporary" RO plant in a 20 ft container and delivered it to the island. At this time, a larger intake pipe, intake screen and pumping station was designed and built for the final build out plant. The intake pipe and screen were installed under the main dock by affixing it to the dock pilings. Valving was installed at the container to allow the seawater pipes to be extended to the main maintenance facility that was under consideration at that time. The 25K plant was equipped with air conditioning and served as a feed water supply for the concrete plant and irrigation.

2011 – TSG designs and installs a 90,000 gpd plant in the Main maintenance facility. This is now the primary water supply for the island. The 25,000 gpd plant was retired and removed from the island.

This approach gets a water supply on the island sooner and , being containerized, is able to be moved if design considerations require and can be collocated with a containerized diesel genset. Another suggestion is to use a temporary bladder tank for water storage. On Mosquito Island in the BVI, we used the phased approach above and installed a temporary bladder tank that held 15,000 gallons . The tank is about 30 X 25 ft and can be placed on a liner on flat ground.

Of course, a second concept is to design and install the full size plant but this requires the complete infrastructure of the island to be designed and frozen so the location and size of the plant is fixed.
I will have more input after our site visit on Tuesday.

Best Regards,
Bob Petersen – TSG Water Resources USVI