



Laura Titus <ltitus@wwsu.org>

Fwd: Warren Elem WW Panel

1 message

Brigid Nease <bnease@wwsu.org>
To: Laura Titus <ltitus@wwsu.org>

Thu, Feb 2, 2017 at 12:39 PM

LT-

This email along with the letter from Barry Simpson need to go as attachments with the board agenda.

B

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

From: **Ray Daigle** <rdaigle@wwsu.org>
Date: Mon, Jan 30, 2017 at 2:12 PM
Subject: Fwd: Warren Elem WW Panel
To: Brigid Nease <bnease@wwsu.org>
Cc: "mbaker@wwsu.org" <mbaker@wwsu.org>

Brigid,

As requested, I received this from Nate Fredericks at Simon Operations Services (SOS) on the Warren Septic control panel. I also talked with Dave Mead from Advanced Onsite Services (a sub-contractor used by SOS). He stated if this system goes down it will take 2-3 weeks to receive and install the replacement controls. He said the recommended controls will be compatible with the controls for the Town of Warren. This is beneficial in that Warren keeps spare parts in stock for their systems and if need be they could be a resource to keep the school system up and running in the future should we have a problem. He did mention that the existing controls are outdated and if we tried to replicate these it would take a few months to build a new control board at more than \$15,000.

This is certainly a high priority for this next construction season.

Ray

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

From: **Nathaniel Fredericks** <fredericksn@yahoo.com>
Date: Mon, Jan 30, 2017 at 12:48 PM
Subject: Warren Elem WW Panel
To: Ray Daigle <rdaigle@wwsu.org>

Ray, this is the best I could do. I don't have Maintenance Logs prior to 2013 for the school so this is based on memory.

Advanced Onsite Services did a lot of the work through the years. Dave Mead and Jared Wiley are the contacts for the company 802-338-0698. I asked them for data last week. Maybe if you call Dave Mead he could provide some more info.

Circa 2008-2010 Lightning Strikes

System Representatives: Andreas Lehner and Lloyd, and Simon Operation Services
Contractor: Waitsfield Telecom, Wastewater Technologies Inc (Now: Advanced Onsite Services, AOS)

There were two, separate lightning strikes through the panel that caused the circuit logic board to fault and need replacement. At the time the new board took a week to arrive and the reinstall. The septic tank was pumped.

Circa 2012 Circuit logic board - Phone line/DSL filter malfunction

System Representatives: Wendy Cobb and Lloyd, and Simon Operation Services
Contractor: Waitsfield Telecom, AOS

The board's phone line/dsl filter had to be replaced after another electrical surge (lightning strike) went through the panel. This time the board did not need complete replacement. But there were multiple control panel components that needed replacement. Additionally, the phone line was replaced from the Pole to the Control Panel.

Circa Summer 2016 Control panel gasket and control panel alarm light socket replacement

System Representatives: Beth Peterson and Lloyd and Simon Operation Services

Contractor: AOS

After the spring annual inspection it was determined that the control panel gasket and alarm light socket components needed to be replaced. Both were replaced Summer 2016

Here are the two most critical reasons for replacing the current panel with the attached proposal at the Warren Elem School:

#1 The current logic circuit board inside this control panel is now obsolete. This piece of electronics is essentially a PC. A nearly 20 year old vulnerable, outdated and obsolete piece of technology. This board controls the system operations. If it fails, the system fails, OR the system will be required to pump out the primary septic tank every few days to every couple of weeks depending on the time of the year (based on incoming waste flow).

A new board could be re-built but it would take up to two ++ weeks for it to arrive > best case scenario. The cost would potentially exceed \$3,000 - JUST for the logic circuit board.

#2 Other electrical components tied-in to this control panel are nearing their usage expectancy-meaning they will begin to fail and become more expensive and (critical timing again) problematic to replace. It doesn't make too much sense to replace piece by piece when the cost of individual equipment, downtime, labor, and potential system upset are all consequential factors.

Nathaniel Fredericks
Northern Regional Manager
Simon Operation Services
(c)802-793-5633
(o)802-244-7420
(e)fredericksn@yahoo.com

From: Ray Daigle <rdaigle@wwsu.org>
To: Nathaniel Fredericks <fredericksn@yahoo.com>
Sent: Monday, January 30, 2017 12:09 PM
Subject: Re: Fw: Brigid's email

Nate,
You were going to add a timeline of correspondence as well, ie., who have you talked to in the past? Written or verbal? Any comments from those contacts? Dates?

Thank you,
Ray

On Mon, Jan 30, 2017 at 12:01 PM, Nathaniel Fredericks <fredericksn@yahoo.com> wrote:
Ray,
See below. I emailed you and Brigid on the 27th. Let me know you got this.

Nathaniel Fredericks
Northern Regional Manager
Simon Operation Services
(c)802-793-5633
(o)802-244-7420
(e)fredericksn@yahoo.com

From: Nathaniel Fredericks <fredericksn@yahoo.com>
To: Ray Daigle <rdaigle@wwsu.org>; "bnease@wwsu.org" <bnease@wwsu.org>
Sent: Thursday, January 26, 2017 5:26 PM
Subject: Re: Brigid's email

Hello Brigid and Ray,

Here are the two most critical reasons for replacing the current panel with the attached proposal at the Warren Elem School:

#1 The current logic circuit board inside this control panel is now obsolete. This piece of electronics is essentially a PC. A nearly 20 year old vulnerable, outdated and obsolete piece of technology. This board controls the system operations. If it fails, the system fails, OR the system will be required to pump out the primary septic tank every few days to every couple of weeks depending on the time of the year (based on incoming waste flow).

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Thanks,

Nathaniel Fredericks
Northern Regional Manager
Simon Operation Services
(c)802-793-5633
(o)802-244-7420
(e)fredericksn@yahoo.com

From: Ray Daigle <rdaigle@wwsu.org>
To: Nathaniel Fredericks <fredericksn@yahoo.com>
Sent: Wednesday, January 25, 2017 12:46 PM
Subject: Brigid's email

bnease@wwsu.org