

From: [Bloemker, Jon \(DEQ\)](#)
To: [Donaldson, Kristina \(DEQ\)](#); [Benzie, Richard \(DEQ\)](#); [Cook, Pat \(DEQ\)](#)
Cc: [Shekter Smith, Liane \(DEQ\)](#)
Subject: RE: Water Plant Mothballing
Date: Tuesday, December 04, 2012 7:58:38 AM

I have only been involved with two plants temporarily to permanently shutting down. When Flint was test running their plant twice per year, they would shut down temporarily for six months. Flatrock had a temporarily shut down that became permanent.

Remembering these procedures, I believe you are on the right track. Definitely, remove all chemicals from lines and feeders. I would strongly recommend getting ALL the chemicals out of the treatment plant. The chlorine cylinders definitely should be relocated for the sake of security. The activated carbon and fluorosilicic acid are disasters waiting to happen. The PAC is a fire hazard. The fluorosilicic acid is a spill and bio hazard. They may want to look at how to properly dispose the chemicals. I don't think there is anybody in their right mind wanting old chemicals from the Highland Park WTP.

Drain ALL the sludge and water from the sedimentation basins and sludge lines.

In both of the other shut down cases, water was kept in the filters at least to the height of the top of the media. In Highland Park's situation, I say drain the filters and all associated lines in the filter gallery completely.

Other major issues are the raw and finished water reservoirs. The raw is self-draining at the expense of the neighbors. The finished water reservoir may be another story.

Other issues are plant security and structural stability. The scrappers and thieves would have a field day. The city may want to have the power to the plant shut off, and they may want to think about the transformers.

Let's talk about the issue tomorrow and Thursday.

-----Original Message-----

From: Donaldson, Kristina (DEQ)
Sent: Monday, December 03, 2012 9:20 PM
To: Bloemker, Jon (DEQ); Benzie, Richard (DEQ); Cook, Pat (DEQ)
Subject: Water Plant Mothballing

Highland Park wants to "properly" shut down their plant and keep it in reserve in the event they are able to generate enough funds to fix everything and reopen it in the future. I need to give Highland Park some recommendations on how to go about the shutdown. I was thinking dewater/dry everything out, winterize, remove chemicals, and then safely secure the property. In reality there is not much to preserve but they want to go about the shut down the right way. Has this been done before in michigan? Do you have any other recommendations/thoughts?

Thanks!
Kris