

Richmond, Maria

From: Race, Maria
Sent: Thursday, August 28, 2014 8:08 AM
To: Dunaway, Lynn; Maria Race (mrace@mwgen.com)
Subject: RE: Waukegan Station

I know that they were already lined when I started working here in 2001 with HDPE. We relined them in 2002 time frame, I don't remember if we had a construction permit. There is also a warning layer so that we ensure that we don't rupture the lining. It also gets inspected regularly.

From: Dunaway, Lynn [<mailto:LYNN.DUNAWAY@Illinois.gov>]
Sent: Thursday, August 28, 2014 7:43 AM
To: Maria Race (mrace@mwgen.com)
Subject: Waukegan Station

Can you tell me what year the Waukegan ash ponds were lined with an HDPE liner? If so, do you know if a construction permit was issued by IEPA or did Midwest Generation just go in and line them with HDPE? Any information you have would be helpful.

Thanks.

Richmond, Maria

From: Race, Maria
Sent: Thursday, August 28, 2014 4:25 PM
To: Nagel, Mark; Veenbaas, Fredrick
Cc: Wozniak, Julia
Subject: FW: Waukegan Ash Pond Liner

We need to get the description of the liner we put in in the early 2000 time frame. Do you have the bid spec for it?

From: Wozniak, Julia
Sent: Thursday, August 28, 2014 3:20 PM
To: Race, Maria
Subject: FW: Waukegan Ash Pond Liner

This looks like your area of expertise. Do you have a document or write-up that you can send me that would provide the details that Jaime is looking for?

Thanks!

From: Rabins, Jaime [<mailto:Jaime.Rabins@Illinois.gov>]
Sent: Thursday, August 28, 2014 3:17 PM
To: Wozniak, Julia
Subject: RE: Waukegan

Just saying the ponds are lined does not address the comment that the facility needs BAT to prevent the ponds from impacting groundwater. Describe the liner system, so many feet of clay, a XX mil geosynthetic liner with 5×10^{-6} permeability and anything else you can think of.

From: Wozniak, Julia [<mailto:Julia.Wozniak@nrgenergy.com>]
Sent: Thursday, August 28, 2014 8:55 AM
To: Rabins, Jaime
Subject: RE: Waukegan

Hi Jaime:

I think I already responded to the ash pond question in my 8/9/2014 e:mail. Yes, the ash ponds at Waukegan are lined.

Richmond, Maria

From: Race, Maria
Sent: Wednesday, September 03, 2014 2:15 PM
To: Wozniak, Julia
Subject: Re: Permit for Waukegan Ash Pond Liners?

No-we were told it wasn't necessary since largely same design was used

From: Wozniak, Julia
Sent: Wednesday, September 03, 2014 02:12 PM
To: Race, Maria
Subject: Permit for Waukegan Ash Pond Liners?

Do you have a response for Jaime's latest question? I couldn't find any documentation on the N drive.

From: Rabins, Jaime [<mailto:Jaime.Rabins@Illinois.gov>]
Sent: Wednesday, September 03, 2014 2:02 PM
To: Wozniak, Julia
Subject: RE: Waukegan pH Question

That should work.

I couldn't find that we issued a permit to reline the ponds, was a permit applied for?

From: Wozniak, Julia [<mailto:Julia.Wozniak@nrgenergy.com>]
Sent: Wednesday, September 03, 2014 1:58 PM
To: Rabins, Jaime
Subject: RE: Waukegan pH Question

Jaime:

Here is the information requested:

New liners were installed in the Waukegan ash ponds in 2003(east) and 2005(west) in accordance with current industry standards.

The liner material is 60 mil HDPE, with a density of no less than 0.94 g/cm³. The pond floors are lined with a 12 inch layer of sand, capped by a 6 inch layer of limestone screenings. These liners are inspected on an annual basis to ensure continuing integrity.

Please let me know if this is sufficient for your needs.

Thanks!

