Message

**From:** Ohl, Matthew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5BDE479F1AB54A9EBC9541A7D452C3B7-MOHL]
**Sent:** 3/3/2020 6:51:22 PM
**To:** Andrew A Gremos [agremos@ramboll.com]
**CC:** Krueger, Thomas [krueger.thomas@epa.gov]; Douglas Petroff [DPetroff@idem.in.gov]; Becker, David J CIV USARMY CEHNC (USA) [Dave.J.Becker@usace.army.mil]; Douglas Buchanan [Douglas.M.Buchanan@usace.army.mil]; Toth, Nicole L CIV USARMY CELRC (USA) [Nicole.L.Toth@usace.army.mil]; Mark Nichter [Mark.W.Nichter@usace.army.mil]; 'Norm Bernstein' [nwbernstein@nwbllc.com]; pracher@psrb.com; Gary Wealthall [gwealthall@geosyntec.com]
**Subject:** RE: Third Site - MW-27 Area

Thank you, Andy. Have safe travels.

Matt

Matthew J. Ohl
Remedial Project Manager
United States Environmental Protection Agency
77 West Jackson Boulevard, SR-6J
Chicago, IL 60604-3590

phone: 312.886.4442
fax: 312.692.2447
e-mail: ohl.matthew@epa.gov

---

**From:** Andrew A Gremos <agremos@ramboll.com>
**Sent:** Tuesday, March 3, 2020 11:54 AM
**To:** Ohl, Matthew <ohl.matthew@epa.gov>
**Cc:** Krueger, Thomas <krueger.thomas@epa.gov>; Douglas Petroff <DPetroff@idem.in.gov>; Becker, David J CIV USARMY CEHNC (USA) <Dave.J.Becker@usace.army.mil>; Douglas Buchanan <Douglas.M.Buchanan@usace.army.mil>; Toth, Nicole L CIV USARMY CELRC (USA) <Nicole.L.Toth@usace.army.mil>; Mark Nichter <Mark.W.Nichter@usace.army.mil>; 'Norm Bernstein' <nwbernstein@nwbllc.com>; pracher@psrb.com; Gary Wealthall <gwealthall@geosyntec.com>
**Subject:** RE: Third Site - MW-27 Area

Matt,

Thank you for your response regarding the MW-27 Area at Third Site. I am traveling this week. As such, we will provide a response to your inquiry below next week.

Best Regards,

Andy

---

**From:** Ohl, Matthew <ohl.matthew@epa.gov>
**Sent:** Monday, March 2, 2020 2:36 PM
**To:** Andrew A Gremos <agremos@ramboll.com>
**Cc:** Krueger, Thomas <krueger.thomas@epa.gov>; Douglas Petroff <DPetroff@idem.in.gov>; Becker, David J CIV USARMY CEHNC (USA) <Dave.J.Becker@usace.army.mil>; Douglas Buchanan <Douglas.M.Buchanan@usace.army.mil>;

Toth, Nicole L CIV USARMY CELRC (USA) <Nicole.L.Toth@usace.army.mil>; Mark Nichter <Mark.W.Nichter@usace.army.mil>; 'Norm Bernstein' <nwbernstein@nwbllc.com>; pracher@psrb.com; Gary Wealthall <gwealthall@geosyntec.com>
**Subject:** Third Site - MW-27 Area

Andy:

Thank you for the response. After reviewing the information you provided, it's clear that additional investigation activities would be helpful. Please advise if the Trust is not willing to provide a work plan.

Thank you,

Matt

Matthew J. Ohl
Remedial Project Manager
United States Environmental Protection Agency
77 West Jackson Boulevard, SR-6J
Chicago, IL 60604-3590

phone: 312.886.4442
fax: 312.692.2447
e-mail: ohl.matthew@epa.gov

---

**From:** Andrew A Gremos <agremos@ramboll.com>
**Sent:** Friday, February 28, 2020 1:12 PM
**To:** Ohl, Matthew <ohl.matthew@epa.gov>
**Cc:** Krueger, Thomas <krueger.thomas@epa.gov>; Douglas Petroff <DPetroff@idem.in.gov>; Becker, David J CIV USARMY CEHNC (USA) <Dave.J.Becker@usace.army.mil>; Douglas Buchanan <Douglas.M.Buchanan@usace.army.mil>; Toth, Nicole L CIV USARMY CELRC (USA) <Nicole.L.Toth@usace.army.mil>; Mark Nichter <Mark.W.Nichter@usace.army.mil>; 'Norm Bernstein' <nwbernstein@nwbllc.com>; pracher@psrb.com; Gary Wealthall <gwealthall@geosyntec.com>
**Subject:** RE: Third Site - Sheet Pile Enclosed DNAPL Area and EW-3

Matt,

Attached please find a response to your February 14 e-mail comment regarding ERH treatment in the MW-27 area (see below e-mail chain). Let me know if you have any questions.

Best Regards,

Andy

---

**From:** Ohl, Matthew <ohl.matthew@epa.gov>
**Sent:** Friday, February 14, 2020 12:42 PM
**To:** Norman Bernstein <nwbernstein@nwbllc.com>
**Cc:** Krueger, Thomas <krueger.thomas@epa.gov>; Douglas Petroff <DPetroff@idem.in.gov>; Andrew A Gremos <agremos@ramboll.com>; Becker, David J CIV USARMY CEHNC (USA) <Dave.J.Becker@usace.army.mil>; Douglas Buchanan <Douglas.M.Buchanan@usace.army.mil>; Toth, Nicole L CIV USARMY CELRC (USA) <Nicole.L.Toth@usace.army.mil>; Mark Nichter <Mark.W.Nichter@usace.army.mil>
**Subject:** RE: Third Site - Sheet Pile Enclosed DNAPL Area and EW-3

Norm:

To clarify my last message:

1. EW-3 has been out of service since early 2018, was found to be acting as a steam vent during ERH treatment, and needs to be replaced and operated; and

2. The sheet pile enclosed DNAPL area clearly needs additional treatment of sufficient temperature and duration to breakdown any DNAPL and achieve a 90% reduction of VOCs (including, but not limited to 1,2-dichlorobenzene) in groundwater.

Finally, we do not have sufficient information to indicate that the ERH treatment near MW-27 has met cleanup objectives. The former well was reportedly installed to a total depth of about 21 feet bgs. During its replacement on March 22, 2019, a strong organic odor was encountered in the immediate vicinity of the bottom of the pulled well and borehole. A PID (Minirae Model 3000) was used to monitor air in the breathing zone. The PID meter indicated a reading of 23 PPM and all personnel were instructed to leave the work zone. The new well was installed later that day to a much shallower depth and may not capable of monitoring groundwater at the depth of the former well. Additional investigation is needed.

Thank you,

Matt

Matthew J. Ohl
Remedial Project Manager
United States Environmental Protection Agency
77 West Jackson Boulevard, SR-6J
Chicago, IL 60604-3590

phone: 312.886.4442
fax: 312.692.2447
e-mail: ohl.matthew@epa.gov

**From:** Norman Bernstein <nwbernstein@nwbllc.com>
**Sent:** Friday, February 14, 2020 10:31 AM
**To:** Ohl, Matthew <ohl.matthew@epa.gov>
**Cc:** Krueger, Thomas <krueger.thomas@epa.gov>; Douglas Petroff <DPetroff@idem.in.gov>; Andy Gremos <agremos@ramboll.com>; Mark Nichter <Mark.W.Nichter@usace.army.mil>; Becker, David J CIV USARMY CEHNC (USA) <Dave.J.Becker@usace.army.mil>; Douglas Buchanan <Douglas.M.Buchanan@usace.army.mil>; Toth, Nicole L CIV USARMY CELRC (USA) <Nicole.L.Toth@usace.army.mil>
**Subject:** Re: Third Site - Sheet pile enclosed DNAPL area

Matt

Your email is not understood. EW-3 has been part of the ongoing pump and treat system. I was disabled (line cut) when ERH was installed (see May 2018 progress report). MW-27R is the well associated with the additional ERH treatment area outside the sheet pile enclosed DNAPL area and that well did achieve the required reduction.

EW-3 can be restored to normal operation as part of the ongoing pump and treat system, but it has nothing to do with the sheet pile enclosed DNAPL area and is not subject to 90% reduction that is applicable inside the sheet pile enclosed DNAPL area.

We will instruct Ramboll to repair and refurbish as needed EW-3 and restore its normal operation as part of the pump and treat system.

Norm

Norm

Norm

On Thu, Feb 13, 2020 at 7:50 AM Ohl, Matthew <ohl.matthew@epa.gov> wrote:

Norm:

Thank you for the update on the site. Please arrange for the following to be completed by March 30, 2020:

- advance a probe(s) adjacent to the EW-3 location and collect chemical and physical data to determine the optimal depth for its replacement, followed by its installation and operation; and
- initiate additional treatment to provide for the breakdown of any DNAPL and a 90% reduction in VOCs in groundwater.

Thank you,

Matt

Matthew J. Ohl
Remedial Project Manager
United States Environmental Protection Agency
77 West Jackson Boulevard, SR-6J
Chicago, IL 60604-3590

phone: 312.886.4442
fax: 312.692.2447
e-mail: ohl.matthew@epa.gov

**From:** Norman Bernstein <nwbernstein@nwbllc.com>
**Sent:** Saturday, January 18, 2020 1:32 PM
**To:** Krueger, Thomas <krueger.thomas@epa.gov>
**Cc:** Ohl, Matthew <ohl.matthew@epa.gov>
**Subject:** Third Site - Sheet pile enclosed DNAPL area

Tom

This is to bring EPA up to date on developments regarding the sampling of the sheet pile enclosed DNAPL area at Third Site.

As you will recall, the Third Site Trust Fund on December 20, 2019, rejected the draft sampling plan proposed by McMillan-McGee (MM) dated December 11, 2019 for the reasons set forth in a Geosyntec memorandum of December 20, 2019. (Copies of both have been previously provided for information purposes only to EPA). In our December 20, 2019 communication to MM we requested that it resubmit by January 10, 2020 an approvable sampling plan conforming to Geosyntec's summary of what should be contained in such a plan.

On January 10, 2020 MM submitted a revised sampling plan accompanied by a cover letter. On Friday, January 17, 2020, the Third Site Trust Fund rejected that draft plan and its accompanying letter for the reasons summarized in my email memorandum to MM of that date. Copies of MM's January 10, 2020 letter and sampling plan and of my email memorandum of rejection dated January 17, 2020 are attached.

In accordance with my email memorandum of January 17, 2020, Ramboll and Geosyntec will be preparing a sampling plan and will implement the sampling plan after it is reviewed and approved by EPA.

Due to travel and other scheduling issues, we anticipate that the sampling plan from Ramboll and Geosyntec will be submitted (after it has undergone our own internal review and approval) to EPA on or before February 7, 2020.

If you have any questions, please let me know.

Norm Bernstein

--

Norman W. Bernstein

N.W. Bernstein & Associates, LLC

800 Westchester Ave., Suite N319

Rye Brook, N.Y. 10573

(914) 358-3500

In accordance with Internal Revenue Service Circular 230, any discussion of a federal tax issue in this communication or in any attachment is not intended to be used, and it cannot be used, for the purpose of avoiding federal tax penalties.

This message may contain confidential information that is protected by the attorney-client privilege or otherwise. If you are not the intended recipient, any disclosure, copying, distribution, or taking of action in reliance on the contents of this message is prohibited. If you have received this message in error, please notify the sender immediately by e-mail and delete the original message. Thank you.

--

Norman W. Bernstein
N.W. Bernstein & Associates, LLC
800 Westchester Ave., Suite N319
Rye Brook, N.Y. 10573
(914) 358-3500

In accordance with Internal Revenue Service Circular 230, any discussion of a federal tax issue in this communication or in any attachment is not intended to be used, and it cannot be used, for the purpose of avoiding federal tax penalties.

This message may contain confidential information that is protected by the attorney-client privilege or otherwise. If you are not the intended recipient, any disclosure, copying, distribution, or the taking action in reliance on the contents of this message is prohibited. If you have received this message in error, please notify the sender immediately by e-mail and delete the original message. Thank you.