



November 28, 2022

Heart of the Valley Metropolitan Sewerage District
Brian Helminger
801 Thilmany Road
Kaukauna, WI 54140
Sent Via E-Copy Only – brian.helminger@hvmsd.org

Subject: Reported Contamination at **Heart of the Valley MSD-Splitter Structure, 801 Thilmany Rd, Kaukauna, WI**
DNR BRRTS Activity # **02-45-590936**
DNR FID # **445005220**

Dear Mr. Helminger:

On November 17, 2022, you, on behalf of Heart of the Valley Metropolitan Sewerage District, notified the Wisconsin Department of Natural Resources (DNR) that a hazardous substance discharge was detected at the site described above.

Information submitted to the DNR regarding this site indicates you are responsible for the discharge of a hazardous substance or other environmental pollution (hereafter referred to as “contamination”) at the above-described site. “Site” refers to the property where the contamination occurred and any other property it has migrated to, as defined in Wisconsin Administrative Code (“Wis. Admin. Code”) § NR 700.03 (56).

This letter explains how to initiate the investigation and cleanup of contamination of the site, and how to access further information and assistance from the DNR. The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs to investigate and clean up the contamination.

Legal Responsibilities:

Persons meeting the definition of “responsible party” under Wis. Admin. Code § NR 700.03 (51) must follow applicable law to address the discharge of a hazardous substance to the environment or other environmental pollution. Wisconsin Statutes (“Wis. Stat.”) ch. 292 and Wis. Admin. Code chs. NR 700-799 provide specific requirements for undertaking appropriate response actions to address contamination, including requirements for emergency and interim actions, public information, site investigations, remedy selection, design and operation of remedial action systems, and case closure.

Special Vapor Intrusion Concern with Trichloroethylene:

Contamination that includes trichloroethylene (“TCE”), a chlorinated solvent and common degreaser, is of special concern from a human health perspective due to its potential for acute (short-term) health risks at relatively low concentrations in air. TCE is also a breakdown product of tetrachloroethylene (“PCE,” also known as “Perc”), a historically common dry-cleaning chemical. Vapors can travel from contaminated soil or groundwater and along preferential pathways, such as within sewer lines, and enter occupied buildings. This is known as vapor intrusion (VI). Screening for VI must be conducted at every contaminated site in Wisconsin, as defined in Wis. Admin. Code § 716.11 (5) (a). **However, when TCE is present, screening for VI should be made a priority and an interim action under Wis. Admin. Code § NR 708.11 may be necessary.** For an overview on VI, see *What is Vapor Intrusion?* (RR-892). For more information, go to dnr.wi.gov and search “vapor.” Additional technical guidance on VI is available in *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin*, (RR-800).

General Recommendations for Responsible Parties:

The DNR recommends that you:

1. Hire a Qualified Environmental Consultant

To ensure response actions you plan to undertake comply with Wisconsin law, you should hire an environmental consultant within **30 days**, by December 28, 2022, to meet the regulatory deadlines listed below. A delay in hiring an environmental consultant could result in you missing key submittal deadlines.

Hiring a consulting firm with staff that have the appropriate state of Wisconsin qualifications to supervise and certify the submittals is a critical component and necessary to meet your requirements. Further, an environmental consultant should be knowledgeable of Wisconsin’s technical procedures and laws and be able to answer questions regarding cleanup requirements. Required qualifications for environmental consultants are specified in Wis. Admin. Code ch. NR 712. See *Wis. Admin. Code ch. NR 712 Qualifications and Certifications* (RR-081), for more information.

2. Properly Submit Reports on Time with Required Information Included

Wisconsin law includes timeframes for submitting technical documents and conducting work, as well as specifications for what should be included in those submittals. This letter provides a general overview of the timeframes and first steps to take for site investigation and cleanup. For an overview of timing requirements, please refer to *NR 700 Process and Timeline Overview* (RR-967), *enclosed*.

The DNR developed the publication *Guidance for Electronic Submittals for the Remediation and Redevelopment Program* (RR-690), to assist responsible parties and consultants in properly submitting documents. Wis. Admin. Code § NR 700.11 (3g), and other specific provisions within Wis. Admin. Code ch. NR 700, outline the requirements for submittals, including electronic submittals.

3. *Consider the Benefits of a Fee-based Technical Review of your Submittals*

In-depth DNR review of technical reports and submittals is available for a fee. The Remediation and Redevelopment (RR) Program project managers are available throughout the process to answer general questions and provide general input as the site moves toward case closure. However, if you want a formal, written response from the DNR, a meeting with the DNR or both on a specific submittal, a review fee will be required in accordance with Wis. Admin. Code ch. NR 749. **Obtaining technical assistance from DNR project managers throughout the process is an effective way to prevent problems and delays at the end of the process when case closure is requested.** Forms, a fee schedule and further information on technical assistance is available at dnr.wi.gov by searching “brownfield fees.”

Required Steps to Take and Documents to Submit:

The steps listed below serve as a general overview only — all mandatory steps and submittals specified in Wis. Admin. Code, chs. NR 700-799 must be met before the DNR can grant case closure, which is a determination by the DNR that no further cleanup is necessary at a site, as defined in Wis. Admin. Code § NR 700.03 (3m).

1. **Scoping and Work Plan Submittal – NR 716.07 and 716.09:** The law requires that you appropriately scope your site investigation and submit a work plan within **60 days of this notification**, by January 29, 2023, for completing a site investigation. The work plan must comply with the requirements in Wis. Admin. Code, chs. NR 700-799. For additional assistance, the DNR has extensive guidance on its website at dnr.wi.gov, search “site investigation scoping.”

Per Wis. Admin. Code § NR 716.07 and Wis. Admin. Code § NR 716.09, site investigation scoping and work plans should include an evaluation of the history of the site or facility, including industrial, commercial or other land uses that may have been associated with one or more hazardous substance discharges at the facility. In addition, an evaluation of the history of previous hazardous substance discharges or environmental pollution, the location of the site or facility, and its proximity to other sources of contamination must be included. Site investigation work plans should also include a sampling and analysis strategy to be used during field investigation that considers all information in the evaluation conducted under Wis. Admin. Code § NR 716.07. Emerging contaminants discharged to the environment, including perfluoroalkyl and polyfluoroalkyl substances (PFAS) and 1,4-dioxane, meet the definition of a hazardous substance or environmental pollution under Wis. Stat. § 292.01 and must be considered during site investigation scoping.

Prior to and during a site investigation, you must evaluate whether any interim actions are needed to contain or stabilize a hazardous substance discharge or environmental pollution, pursuant to Wis. Admin. Code § NR 708.11. If you undertake an interim action (e.g., free product removal), you must submit documentation of the action per Wis. Admin. Code § NR 708.15.

As you develop the site investigation work plan, you must include an assessment of the vapor intrusion pathway. Wis. Admin. Code § NR 716.11 (5) outlines the requirements for when to evaluate for the presence of vapors in the sub-surface and in indoor air. The results and conclusions from the vapor assessment must be included in the Wis. Admin. Code § NR 716.15 site

investigation report whether or not you elected to take vapor samples. *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin* (RR-800), is available to help responsible parties and their consultants comply with these requirements.

2. **Field Investigation – NR 716.11**: Following submission of the work plan, the site investigation must be started within the timeframe provided under law. The timeframe varies depending on whether you are requesting the DNR's fee-based review of the work plan. If you do not request a fee-based review of the work plan, you must initiate the field investigation within 90 days of submitting the work plan, and you may proceed with the field investigation upon DNR notification to proceed; however, if the DNR has not responded within 30 days from submittal of the work plan, you may then proceed with the field investigation. If a fee and request for DNR review of the work plan is submitted, the field investigation must begin within 60 days after receiving DNR approval.
3. **Sample Results Notification Requirements – NR 716.14**: You must report sampling results to the DNR, owners, occupants and various other parties within 10 business days after receiving the sampling results, unless a different timeframe is approved by the DNR, in accordance with Wis. Admin. Code § NR 716.14.
4. **Site Investigation Report – NR 716.15**: Within 60 days after completion of the field investigation and receipt of the laboratory data, the law requires you to submit a Site Investigation Report (SIR) to the DNR. As part of the SIR or in the Remedial Actions Options Report (RAOR), if there is soil contamination, the responsible party shall identify the current land use (*i.e.*, industrial or non-industrial) and zoning for the site or facility in accordance with Wis. Admin. Code § NR 720.05 (5). Also, as part of the SIR or in the RAOR, you must include any interim action report that may be required under Wis. Admin. Code § NR 708.15.
5. **Remedial Actions Options Report – NR 722**: Within 60 days after submitting the SIR, the law requires you to submit a RAOR. The selected remedy in the RAOR should include an evaluation of green and sustainable remediation criteria, as appropriate, as required by Wis. Admin. Code § NR 722.09 (2m). This may be submitted as part of a broader SIR.
6. **Remedial and Interim Action Design, Implementation, Operation, Maintenance and Monitoring Reports – NR 724**: Unless otherwise directed by the DNR, the responsible party shall submit all plans and reports required by Wis. Admin. Code ch. NR 724.
7. **Notification of Residual Contamination or Continuing Obligations – NR 725**: In situations where notification is required, the responsible party must provide a submittal(s) that confirms that continuing obligations have been identified and affected property owners have been notified by the responsible parties 30 days prior to case closure, as required by Wis. Admin. Code ch. NR 725 and § NR 726.13 (1) (d).
8. **Semi-Annual Reporting – NR 700.11**: Wis. Admin. Code § NR 700.11 (1) (a) requires responsible parties to submit semi-annual site progress reports to the DNR until case closure is granted. The reports summarize the work completed over six months and additional work planned to adequately complete the response action at the site. Consultants may submit these reports on behalf of responsible parties. These reports are due in January and July of each year. Please refer to DNR publication *NR 700 Semi-Annual Site Progress Report* (RR-082), for more information.

Submittals required under Wis. Admin. Code chs. NR 700-799

These documents, as applicable, must be submitted to the DNR prior to the responsible party requesting case closure, unless otherwise directed by the DNR:

- Ch. NR 708 reports and documentation for any immediate or interim actions.
- Ch. NR 712 professional certifications and signatures are included with applicable submittals.
- Ch. NR 716 work plan(s) and site investigation report.
- Ch. NR 722 remedial action options report (exception is for Dry Cleaners Environmental Response Fund sites), with the selected remedial action identified.
- Ch. NR 724 design, construction documentation, operation, maintenance and monitoring plans and reports, including vapor mitigation commissioning.
- Ch. NR 725 submittal(s) that confirms that continuing obligations have been identified and affected property owners have been notified by the responsible parties 30 days prior to requesting case closure.
- If requesting case closure, the Ch. NR 726 case closure form and documentation substantiating compliance with the NR 700 rule series.
- Ch. NR 749 fees have been paid, as applicable, including closure and database fees.
- Ch. NR 700 semi-annual site progress reports starting six months after notification.

Additional Information:

The DNR tracks information on all cleanup sites in a DNR database available at dnr.wi.gov, search "BOTW." The Bureau for Remediation and Redevelopment Tracking System (BRRTS) identification number for this site is listed at the top of this letter. You may view information related to your site on this database at any time.

All correspondence regarding this site should be directed to:

David Neste
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
625 E CTH Y, STE 700
Oshkosh, WI 54901-9731
david.neste@wisconsin.gov

To speed up processing, your correspondence should reference the BRRTS and Facility Identification (FID) numbers (if assigned) listed at the top of this letter.

Submittals required under the NR 700 rule series should be sent to the DNR using the RR Program Submittal Portal at dnr.wi.gov, search "RR submittal portal" (<https://dnr.wi.gov/topic/Brownfields/Submittal.html>). Questions on using this portal can be directed to

the contact below or to the environmental program associate (EPA) for the regional DNR office. Visit dnr.wi.gov, search "RR contacts" and select the EPA tab (<https://dnr.wi.gov/topic/Brownfields/Contact.html>).

Please visit the DNR's Remediation and Redevelopment Program web page at dnr.wi.gov, search "Brownfields" for information on selecting a consultant, seeking financial assistance, and understanding the investigation and cleanup process. Information regarding review fees, liability clarification letters, post-cleanup liability and more is also available.

If you have questions, please call Dave Neste, the project manager, at 920-362-2072 for more information.

Thank you for your cooperation.

Sincerely,

A handwritten signature in cursive script that reads "Denise D. Danelski".

Denise D. Danelski
Environmental Program Associate - Remediation & Redevelopment Program
Northeast Region

Enclosures:

1. NR 700 Process and Timeline Overview, [RR-967](#)
2. Environmental Contamination Basics, [RR-674](#)
3. Selecting a Consultant, [RR-502](#)
4. Environmental Services Contractor List, [RR-024](#)



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MEMORANDUM

TO: Brian Helminger

FROM: Abby Reichling, PE (WI) and Bruce Olson, PE (IL, IN, WI)

DATE: December 13, 2022

RE: Heart of the Valley MSD - Splitter Structure Site Investigation Requirements
SEH No. 170562 14.00

Contaminated soils were encountered during the construction activities related to the Splitter Structure excavation at the Heart of the Valley Metropolitan Sewerage District (HOVMSD) property located at 801 Thilmany Road in Kaukauna, Wisconsin. This memorandum has been prepared to summarize the identified soil contamination and to outline the next steps in the Wisconsin Department of Natural Resources' (WDNR) regulatory process under Wisconsin Administrative Code (WAC) NR 700.

During the construction of the Splitter Structure, soil impacts were detected based on visual and olfactory evidence and were identified by HOVMSD's contractor. Soil sampling was completed on October 20, 2022, and the laboratory analytical results revealed concentrations of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and Resource Conservation and Recovery Act (RCRA) 8 Metals above applicable WAC NR 720 Residual Contaminant Levels (RCLs). Benzene was the only VOC detected at a concentration exceeding its protection of groundwater RCL. For PAHs, benzo(a)pyrene was detected at a concentration exceeding its non-industrial direct contact RCL, and chrysene was detected at a concentration exceeding its protection of groundwater RCL. Additionally, one RCRA metal, arsenic was detected at a concentration of 4.3 milligrams per kilogram (mg/kg), which exceeds its direct contact and protection of groundwater RCLs but does not exceed its established Background Threshold Value (BTV) of 8 mg/kg. Based on these analytical results and the observed soils impacts, HOVMSD submitted a *Notification for Hazardous Substances Discharge Form – Non-Emergency Only* (Form 4400-224) to the WDNR on November 17, 2022. Subsequently, on November 28, 2022, the WDNR issued a Responsible Party (RP) letter to HOVMSD and has assigned Bureau for Remediation and Redevelopment Tracking System (BRRTS) Case File #02-45-590936 to the site.

As outlined in the RP letter issued by the WDNR, there are certain requirements that must be met as HOVMSD proceeds with investigating the nature and extent of the identified soil contamination. An overview of the WDNR's NR 700 process is presented in a flow-chart format in WDNR Publication RR-967 (June 2019), which is attached for reference. A summary of the required reports, associated timelines, and estimated schedule is presented in the table below. This schedule may be subject to change depending on the findings during each step of the investigation and if HOVMSD selects to request fee-based technical reviews from WDNR for submittals.

HOVMSD has contracted with Short Elliott Hendrickson Inc. (SEH) to prepare the Site Investigation Work Plan, which will present the proposed scope of the site investigation and be submitted to WDNR. As the final scope of the Site Investigation Work Plan has not been determined, a separate contract and fee estimate will be provided to HOVMSD for consideration for implementing the site investigation field activities and preparing the NR 716 Site Investigation Report.

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 329 Jay Street, Suite 301, La Crosse, WI 54601-4034

608.782.3161 | 888.908.8166 fax | sehinc.com

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NR 700 Deliverable	Timeline*	Estimated Completion Date
Site Investigation Work Plan	Within 60 days from RP letter	January 29, 2023
Implementation of Field Site Investigation**	Within 60 or 90 days from Work Plan approval or submittal	April 29, 2023
NR 716 Site Investigation Report**	Within 60 days after completion of field investigation	June 29, 2023
NR 722 Remedial Action Options Report	Within 60 days after Site Investigation Report	***
NR 724 Remedial or Interim Action Design and Implementation	Within 90 days after approval of Remedial Action Options Report	***
NR 724 Construction Documentation Report	Within 60 days after the completion of construction	***
NR 726 Case Closure Request	Not specified in WDNR Publication RR-967	***

Notes:

* The listed timelines are based on WDNR Publication RR-967 (June 2019); however, depending on the findings during the site investigation implementation, the schedule for each subsequent deliverable may be subject to change.

** Depending on the impacted site media, the implementation of the Site Investigation activities may require additional time. For example, if multiple rounds of quarterly groundwater monitoring are required, this step could range from many months to years in duration.

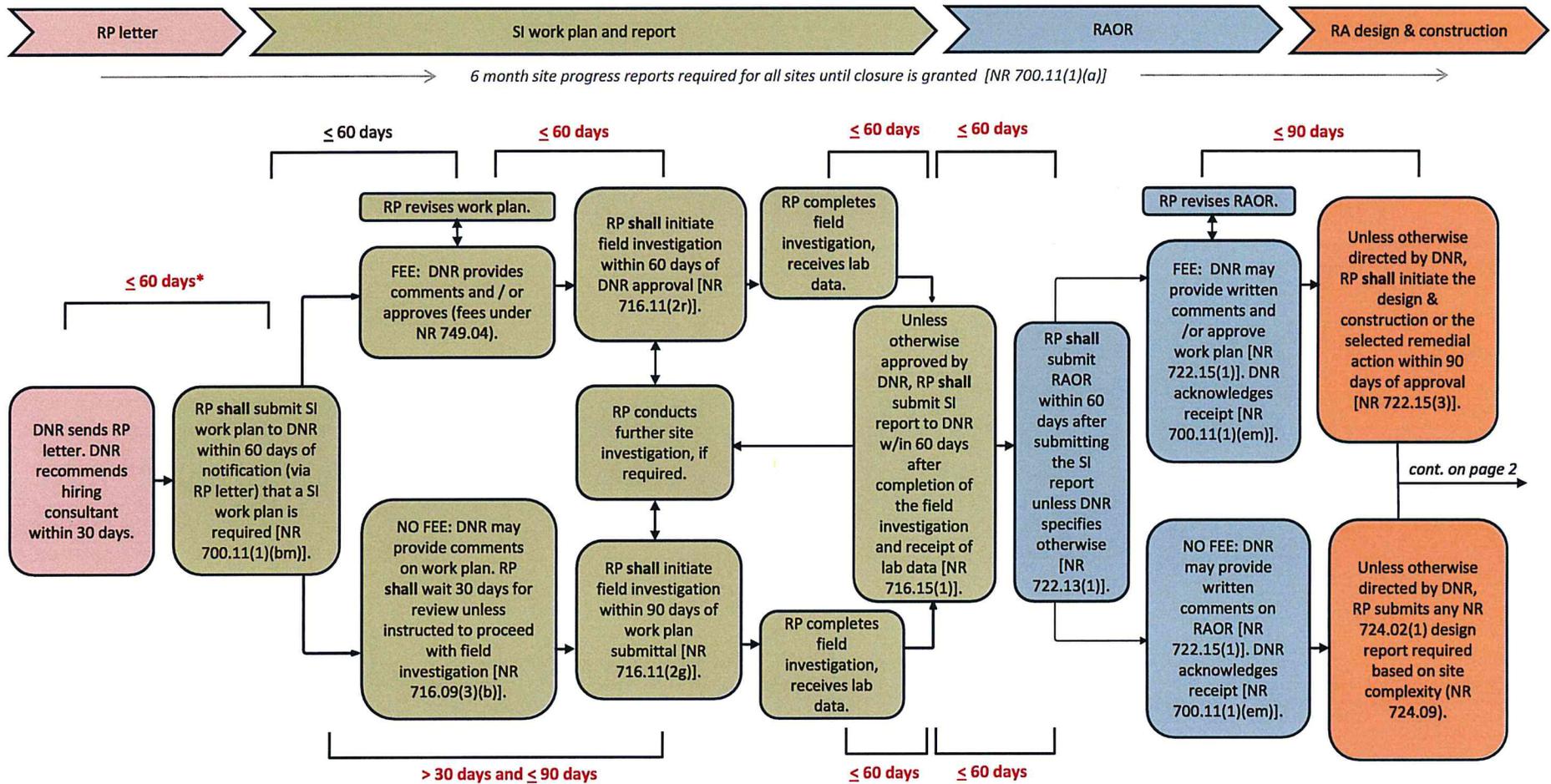
*** Estimated completion date will be determined based on the findings from preceding steps in the NR 700 process.

AMR

Attachment

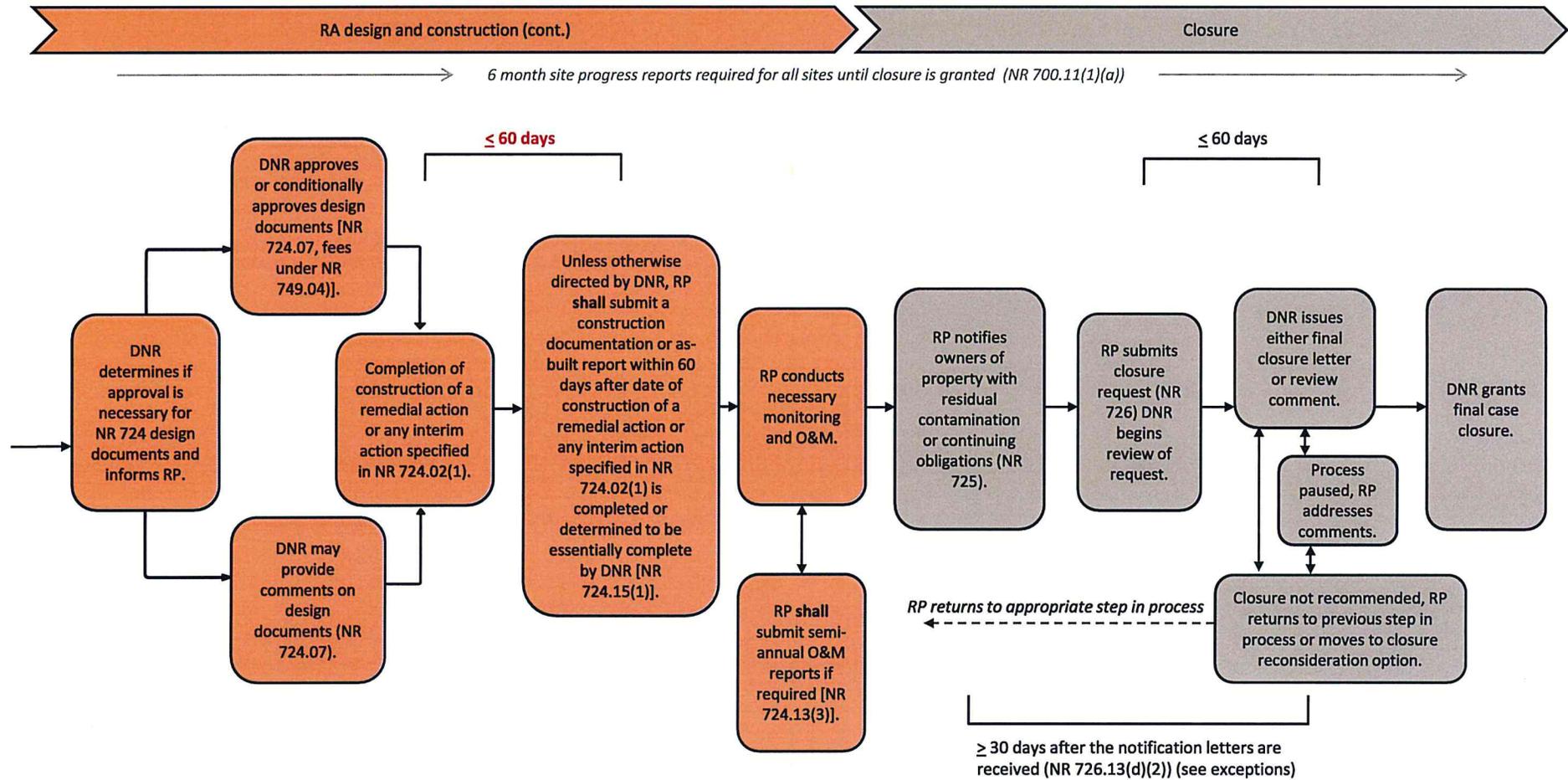
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NR 700 Process & Timeline Overview*



***Bold red font indicates timelines required in administrative code.** **Disclaimer:** This document is intended solely as guidance and does not include mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any manner addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

NR 700 Process & Timeline Overview*



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