State of Wisconsin <u>DEPARTMENT OF NATURAL RESOURCES</u> Northeast Region Headquarters 2984 Shawano Avenue Green Bay WI 54313-6727

Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



June 5, 2015

Mr. John Ahlgrimm Ahlgrimm Explosives Company, Inc. 1829 E. Ravenswood Ct. Appleton, WI 54913

Mr. Rodney Martin (Property Owner) N2857 County Road T Hortonville, WI 54944

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

SUBJECT: Final Case Closure with Continuing Obligations Ahlgrimm Explosives Co Inc – Burn Pit, W9899 Givens Rd, TN of Hortonia, Outagamie County, WI DNR BRRTS Activity #: 02-45-558039

Dear Messer's. Ahlgrimm and Martin:

The Department of Natural Resources (DNR) considers the "Ahlgrimm Explosives Co Inc – Burn Pit" site closed, with continuing obligations. No further investigation or remediation is required at this time. However, you and future property owners, and occupants must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter to anyone who purchases, rents or leases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under chs. NR 726 and 727, Wis. Adm. Code. The Northeast Region (NER) Closure Committee reviewed the request for closure on May 14, 2015. The NER Closure Committee reviewed this environmental remediation case for compliance with state laws and standards. Revisions to the electronic documents were requested on May 14, 2015 and received May 29, 2015.

This former illegal burn pit area utilized by the Ahlgrimm Explosives Company, Inc. business impacted native soil. The waste material was removed and properly disposed. Approximately 22 cubic yards of contaminated soil was excavated from two locations and properly disposed. One test pit, TP-12, had copper above a soil standard at one foot (ft) below ground surface (bgs) but was not detected at 5.6 ft bgs. The conditions of closure and continuing obligations required were based on the property being used for agricultural purposes.

Please note that this letter does not address two separate contaminant cases:

- Ahlgrimm Explosives Co Inc Prill Area, BRRTS #02-45-558037 OPEN
- Ahlgrimm Explosives Co Inc Drill Bit Grinding Area, BRRTS #02-45-558038 CLOSED June 5, 2015



Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section <u>Closure Conditions</u>.

• Residual soil contamination exists that must be properly managed should it be excavated or removed.

The DNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, helps to explain a property owner's responsibility for continuing obligations on their property. The fact sheet may be obtained at <u>http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf</u>.

All site information is on file at the NER Regional DNR office, at NER Regional DNR office, at 2984 Shawano Avenue, Green Bay, Wisconsin, 54313-6727. This letter can be found as a PDF in BRRTS on the Web.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which the current property owner, and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Please send written notifications in accordance with the following requirements to:

Department of Natural Resources Attn: Remediation and Redevelopment Program Environmental Program Associate 2984 Shawano Avenue Green Bay, WI 54313-6727

<u>Residual Soil Contamination (</u>ch. NR 718, or ch. 289, Stats.; chs. 500 to 536, Wis. Adm. Code) A small amount of soil contamination (copper) remains at test pit, TP-12, at one ft bgs but was not detected at 5.6 ft bgs. The location of TP-12 is shown on the attached map, *Fig. B.1.b., Detailed Site Map-2, Terracon, 3/26/12.* If soil in the specific location described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. Contaminated soil may be managed in accordance with ch. NR 718, Wis. Adm. Code, with prior DNR approval.

In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

In Closing

Please be aware that the case may be reopened pursuant to s. NR 727.13, Wis. Adm. Code, for any of the following situations:

- if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment,
- if the property owner does not comply with the conditions of closure, or

June 5, 2015 Mr. John Ahlgrimm and Mr. Rodney Martin Final Closure Letter for Ahlgrimm Explosives Co Inc – Burn Pit BRRTS #02-45-558039

- a property owner fails to maintain or comply with a continuing obligation (imposed under this closure approval letter).

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Jennifer Borski in Oshkosh by phone at (920) 424-7887 or by e-mail at Jennifer.borski@wisconsin.gov.

Sincerely,

Roxanne N. Chronert, Team Supervisor Northeast Region Remediation & Redevelopment Program

Attachments: - Fig. B.1.b., Detailed Site Map-2, Terracon, 3/26/12

Electronic copy: Scott Hodgson, Terracon, scott.hodgson@terracon.com



Save	Print	Clear Data
------	-------	------------

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

Form 4400-202 (R 11/13)

Page 1 of 14

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided. Any section of the form not relevant to the case closure request must be fully filled out or explained on a separate page and attached to the relevant section of this form. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

Site Information			
BRRTS No.	Parcel ID No.		
02-45-558039	0543		
BRRTS Activity (Site) Name	WTM Coordinates		
Ahlgrimm Co Inc - Burn Pit	x 624771 Y	430719	
Street Address	City	State	ZIP Code
W9899 Givens Road	Town of Hortonia	WI	54994
Responsible Party (RP) Name John Ahlgrimm			
Company Name Ahlgrimm Explosives Co Inc			
Street Address	City State ZIP Co		
1829 East Ravenswood Court Appleton W			54913
Phone Number (920) 450-8995	Email johnahlgrimm@yahoo.com		
Check here if the RP is the owner of the source property.			
Environmental Consultant Name Scott A. Hodgson			
Consulting Firm Terracon Consultants, Inc.			
Street Address	City	State	ZIP Code
9856 S. 57th Street	Franklin	WI	53132
Phone Number (414) 423-0255	Email sahodgson@terracon.com		
Acres Ready For Use		\bigcirc V	
40	voluntary Party Liability Exemption Site?	⊖ res	INO
Fees and Mailing of Closure Request			
If any section is not relevant to the case closure request, you must it relevant section of the form. All information submitted shall be lead	fully explain the reasons why and attach that	t explanation t in a subr	on to the

pmitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Send a copy of page one of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR regional Environmental 1. Program Associate at http://dnr.wi.gov/topic/Brownfields/Contact.html. Check all fees that apply:

Х	\$1	,050	Closure	Fee
---	-----	------	---------	-----

\$300 Database Fee for Soil

\$350 Database Fee for Groundwater or Other Condition (MW Not Abandoned)

Total Amount of Payment \$ \$1,050.00

Send one paper copy and one e-copy on compact disk of the entire closure package to the Regional Project Manager 2. assigned to your site. Submit as unbound, separate documents in the order and with the titles prescribed by this form. For electronic document submittal requirements, see http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

Site Summary

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

1. General Site Information and Site History

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings. The site is located in a rural agricultural area approximately 2 miles west-northwest of the village of Hortonville, Wisconsin. Specifically, the site is located in the Southwest ¼ of the Northeast ¼ of Section 33, Township 22 North, Range 15 East, Town of Hortonia, Outagamie County, Wisconsin. The Wolf River lies approximately 1 mile to the north of the site.
- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of <u>use</u>. Prior land usage is unknown, but likely agricultural or pasture. The site is currently used to store materials and equipment used in drilling and blasting rock for mining operations and construction. A steel building is located on the northwestern corner of the property.
- C. Describe how and when site contamination was discovered. Soil contamination was discovered on November 16, 2011 when the Wisconsin Department of Natural Resources (WDNR) collected six soil samples from various locations across the site, including two samples collected in the burn pit area on the southwestern corner of the property (S-02 & S-06).
- D. Describe the type(s) and source(s) or suspected source(s) of contamination. Resource Conservation and Recovery Act (RCRA) metals, aluminum, zinc, polynuclear aromatic hydrocarbons (PAH), and tetrachloroethene (PCE) were detected in soil samples S-02 and S-06. The source of these contaminants are related to the unregulated dumping and incineration of trash and other debris.
- E. Other relevant site description information (or enter Not Applicable). Not Applicable - No other site information is included.
- F. List BRRTS activity site name and number for all other BRRTS activities at this property, including closed cases. Ahlgrimm Explosives Co Inc - East Door (09-45-558040)
 Ahlgrimm Explosives Co Inc - Drill Bit Grinding Area (02-45-558038)
- G. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to this site, and those impacted by contamination from this site.
- H. **Current zoning** (e.g. industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).

The site is zoned "Prime Agricultural District"

2. General Site Conditions

A. Soil/Geology

 Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
 The local geology consists of a thin veneer of unconsolidated material overlying bedrock. Specifically, fine grained sand

and silt generally overlies clay to silty clay down to the bedrock interface.

- ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site. Other than surface gravel, no fill deposits were encountered during the investigation.
- iii. Depth to bedrock, bedrock type, and whether or not it was encountered during the investigation. Bedrock in this area consists of dolomite and sandy limestone of the Lower Ordovician Prairie du Chien Group. The depth to bedrock varied at the site from between approximately 2.5 feet below ground surface (bgs) in the north portion of the site to 6.0 feet bgs in the southern portion of the site.
- iv. Describe the nature and locations of current surface cover(s) across the site (e.g. natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).

The majority of the site is covered in vegetation (grass) or by the building and a gravel parking lot which lies to the south of the building.

B. Groundwater

i. **Discuss depth to groundwater and piezometric elevations.** Describe and explain depth variations, and whether free product affects measurement or water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

Not Applicable: Groundwater was not encountered during the investigation, however, the static water level in the site potable well as measured by a licensed well contractor is approximately 23 feet bgs.

ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.

Not Applicable: Groundwater was not encountered during the investigation, therefore, flow direction is not known.

iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.

Not Applicable: Groundwater was not encountered during the investigation, therefore, flow characteristics are not known.

iv. Identify and describe locations/distance of potable and/or municipal Wells within 1200 feet of the site. Two potable wells are located within the search radius. The first is the site potable well, which is located within the drill bit grinding area just south of the building. The well is approximately 112 feet deep and is cased to 47 feet. The second is a private potable well located at the Bernard Poole residence, approximately 750 feet northwest of the site. Construction details are unknown.

3. Site Investigation Summary

- A. General
 - i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

On November 16, 2011, the WDNR collected two soil samples (S-02 & S-06) from the Burn Pit Area; several contaminants were detected in samples collected including RCRA metals, aluminum, zinc, PAHs, and PCE. Terracon prepared a Site Investigation Work Plan, which was submitted on June 8, 2012 and approved by the WDNR on September 28, 2012. Terracon performed a Site Investigation on October 4, 2012 when six test pits (TP-10 through TP-15) were excavated in the Burn Pit. Terracon submitted a NR 716 Site Investigation Report dated July 31, 2013, that presented documentation and details of this work and soil sampling results. The report also included a Remedial Action Plan (RAP) which recommended two small soil excavations in the burn pit to remove arsenic above the Wisconsin statewide background threshold value (BTV) of 8 milligrams per kilogram (mg/kg) and benzo(a)pyrene above its non-industrial direct-contact residual contaminant level (RCL) of 15 micrograms per kilogram (ug/kg). The site investigation and RAP was approved by the WDNR on September 11, 2013.

- ii. Identify whether contamination extends beyond the source property boundary, describe the off-site media (e.g., soil, groundwater, etc.) impacted, and the vertical and horizontal extent of off-site impacts.
 Contamination from the burn pit area does not extend off-site.
- iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

Confirmatory soil samples at the burn pit excavation limits indicate that remaining arsenic is above its non-industrial direct-contact RCL, however, remaining arsenic levels are below the WDNR BTV of 8 mg/kg. This demonstrates that there were no impediments to the investigation or remediation.

B. Soil

02-45-558039	Ahlgrimm Co Inc - Burn Pit	Case Closure -
BRRTS No.	Activity (Site) Name	Form 4400-202 (R 11/1)

i. Describe degree and extent of **soil contamination** at and from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways.

GIS Registry

Page 4 of 14

Benzo(a)pyrene was detected in WDNR near-surface samples S-02 and S-06 at concentrations of 71 and 41 ug/kg, respectively, which are above its non-industrial direct-contact RCL of 15 ug/kg. Arsenic was detected in each of the samples from TP-10 through TP-15 at concentrations ranging from 0.97 milligrams per kilogram (mg/kg) to 5.9 mg/kg, at WDNR near-surface sample S-02 at 8 mg/kg, and at WDNR near-surface sample S-06 at 1 mg/kg, which were all above its non-industrial direct-contact RCL of 0.614 mg/kg. However, only sample WDNR S-02 was at or above the Wisconsin BTV of 8 mg/kg. Aluminum was detected in each of the samples collected from TP-10 to TP-15 and WDNR near-surface samples S-02 and S-06 at concentrations ranging from 2,380 mg/kg to 17,700 mg/kg, which are above its groundwater pathway RCL of 601.2903 mg/kg, but within the range of local background concentrations and lower than the recently published Wisconsin BTV of 28,721 mg/kg. Lead was detected in soil sample TP-12 (1) and WDNR nearsurface sample S-02 at concentrations of 37.8 mg/kg and 80 mg/kg, respectively, which are above the groundwater pathway RCL of 27 mg/kg. Cadmium and copper were also detected in WDNR near-surface sample S-02 at concentrations exceeding their groundwater pathway RCLs of 0.752 and 91.6 mg/kg, respectively. Volatile Organic Compounds (VOCs) were detected only in WDNR near-surface sample S-02 in which 10 different VOCs were detected, but only PCE was detected at a concentration (94 ug/kg) that was above its groundwater pathway RCL. None of the detected VOCs were above their non-industrial direct-contact RCL. The primary exceedances were at WDNR-nearsurface samples S-02 and S-06; however, surrounding test pit samples indicated that the exceedances at S-02 and S-03 were very localized both laterally and vertically. The source of this contamination is from the unregulated dumping and incineration of trash and debris. Potential receptors include the nearby site potable well.

- Describe the level and types of soil contaminants found in the upper four feet of the soil column. Arsenic was detected in each of the shallow (1 foot bgs) samples from test pits TP-10 through TP-15 at concentrations ranging from 0.83 mg/kg to 3.6 mg/kg, which is above its soil to groundwater pathway RCL of 0.584 mg/kg. Arsenic was detected in WDNR near-surface sample S-02 at a concentration of 8 mg/kg, which is at the Wisconsin BTV of 8 mg/kg. Aluminum was detected in each of the shallow samples from test pits TP-10 through TP-15 at concentrations ranging from 3,080 mg/kg to 4,990 mg/kg, which is above its soil to groundwater pathway RCL of 601.2903 mg/kg. Cadmium was detected in WDNR near-surface sample S-02 at a concentration of 1.0 mg/kg above its soil to groundwater pathway RCL of 0.752 mg/kg. Lead was detected in the shallow sample from test pit TP-12 at a concentration of 37.8 mg/kg and in WDNR near-surface sample S-02 at a concentration of 80 mg/kg above its non-industrial direct contact RCL of 27 mg/kg. Copper was detected in WDNR near-surface sample S-02 at a concentration of 1.0 mg/kg above its non-industrial direct-contact RCL and at TP-12 (1') at a concentration of 150 mg/kg, which is above its groundwater pathway RCL. Several PAHs and other metals were detected in soils within the upper 4 feet; how-ever, none of them were detected above their respective non-industrial direct-contact or groundwater pathway RCLs
- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/ information in Attachment C.

The NR 720 WDNR non-industrial direct-contact and soil to groundwater pathway RCL tables from May 2012 were used during this investigation. In addition, site-specific BTV ranges were established for aluminum, iron, copper, and zinc through collection and testing of soil samples collected from three dispersed background test pits.

C. Groundwater

i. Describe degree and extent of groundwater contamination at or from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.

Not Applicable: Groundwater was not encountered during this investigation. However, the WDNR sampled the site potable well for a variety of metals, including arsenic, and other parameters in November 2011. Arsenic was not detected at the laboratory limit of detection (LOD) of 5 micrograms per liter (ug/L)

- ii. Describe the presence of free product at the site, including the thickness, depth, and locations. Not Applicable: Free product was not encountered during this investigation.
- D. Vapor
 - Describe how the vapor migration pathway was assessed, including locations where vapor or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why. Not Applicable: WDNR did not require vapor migration assessment during this investigation.
 - ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).
 Not Applicable: WDNR did not require vapor migration assessment during this investigation.

Ε.

Surface Water and Sediment i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.

Not Applicable: Surface water/sediment was not present and therefore was not assessed during this investigation. The nearest perennial surface water is the Wolf River which lies approximately 6,525 feet north of the site.

Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were ii. derived. Describe where the DNR action levels were reached or exceeded. Not Applicable: Surface water/sediment was not present and therefore not assessed during this investigation. The nearest known perennial surface water is the Wolf River, which lies approximately 6,525 feet north of the site.

4 Remedial Actions Implemented and Residual Levels at Closure

Α. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

Remedial actions taken at the site include a contaminated soil excavation on November 7, 2013, during which approximately 22 cubic yards of contaminated soil was removed and disposed. The remedial actions were documented in Terracon's Remedial Action Documentation Report dated February 3, 2014.

- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code. Not Applicable - No immediate or interim actions were taken at the site.
- C. Describe the active remedial actions taken at the site, including: type of remedial system(s) used for each media impacted; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

On November 7, 2013, Terracon returned to the site and performed soil excavation to remove contaminated soil from the burn pit. A total of approximately 22 cubic yards of contaminated soil was removed from two excavations in the burn pit area centered on WDNR samples S-02 and S-06 and transported to the Outagamie County landfill in Appleton, Wisconsin, for proper disposal. Each excavation measured approximately 10 feet by 10 feet by 3 feet deep. The excavation successfully removed both the arsenic that was present above its BTV and benzo(a)pyrene present above its non-industrial direct-contact RCL. The excavation also removed the lead, cadmium, and copper that were present in WDNR near-surface sample S-02 above their respective groundwater pathway RCL. A Remedial Action Documentation Report detailing this work and confirmatory soil sampling was submitted by Terracon on February 3, 2014.

D. Provide a discussion of the nature, degree and extent of residual contamination that will remain at the site or on off-site affected properties after case closure.

Arsenic (As) was detected in each of the burn pit excavation sidewall and base samples above its non-industrial direct-contact and soil to groundwater pathway RCLs at concentrations ranging from 1.2 mg/kg to 3.6 mg/kg. However, these concentrations are below the Wisconsin BTV of 8 mg/kg and therefore the residual As is not considered to be related to the burn pit, but rather to naturally occurring sources. Lead remains present at the location of sample TP-12 (1') at a concentration of 37.8 mg/kg, which is above its groundwater pathway RCL; however, the concentration is below the recently published Wisconsin statewide BTV of 52 mg/kg. Therefore the remaining lead at TP-12 (1') is not considered related to the burn bit. Copper (Cu) was present at the location of sample TP-12 (1') at a concentration of 150 mg/kg, which is above its groundwater pathway RCL. However, this sample is a single isolated exceedance. It was likely related to a small piece of Cu wire in the burn pit debris, is not widespread, is only slightly above the RCL, and is far above

the static water level (27 feet bg at the PW). Therefore we request that this exedance be considered a de minimis condition and not be added to the GIS.. E. Describe the remaining soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds Residual Contaminant Levels established under s. NR 720. 12, the ch. NR720, Wis. Adm. Code, for protection of human health from direct contact.

See 4 D above

F Describe the remaining soil contamination in the vadose zone that attains or exceeds the soil standard(s) for the groundwater pathway.

See 4 D above

G. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.

Since the residual contamination consists of arsenic and lead below their respective Wisconsin BTV, and copper as single isolated exceedance of its groundwater pathway RCL (de minimis condition) there no need to further address residual contamination.

- H. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration, (e.g. stable or receding groundwater plume). Not Applicable - groundwater not impacted.
- Identify how all exposure pathways were removed and/or adequately addressed by immediate and/or remedial action(s) described above in paragraphs, B, C, D, E and F.
 Excavation of approximately 22 cubic yards of soil successfully removed both arsenic that was above the 8 mg/kg BTV and

Excavation of approximately 22 cubic yards of soil successfully removed both arsenic that was above the 8 mg/kg B1V and benzo(a)pyrene that was above its non-industrial direct-contact RCL from the source area. cadmium, lead, and copper that were above their respective groundwater pathway RCLs in WDNR near-surface sample S-02 were also removed by the excavation. No nearby sensitive receptors are expected to be impacted, including the on-site drilled well, groundwater, wetlands, or utility corridors.

- J. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain. Not Applicable - No hardware was installed, therefore, no hardware will remain on site after site closure.
- K. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances. Not Applicable - Groundwater was not encountered during site activity, therefore, no PAL or ES exemptions are needed.
- L. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.
 Not Applicable Vapor intrusion was assessment not necessary per WDNR and therefore not assessed at the site.
- M. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed. Not Applicable: Surface water and sediment were not present and therefore assessed during this investigation.

5. Continuing Obligations: Situations where a maintenance plan(s) and inclusion on DNR's GIS Registry are required.

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario:	Maintenance Plan(s) Required in	GIS Registry
	A. On-Site	B. Off-Site	Maintenance Flans and GIS Registry	Attachment D	Listing
i.			Engineering Control/Barrier for Direct Contact	\checkmark	\checkmark
ii.			Engineering Control/Barrier for Groundwater Infiltration	\checkmark	\checkmark
iii.			Vapor Mitigation - post closure passive system	\checkmark	\checkmark
iv.			Vapor Mitigation - post closure active system	\checkmark	\checkmark
v.	\boxtimes	\boxtimes	None of the above scenarios apply to this case closure	NA	NA

6. Continuing Obligations: Situations where inclusion on DNR's GIS Registry is required.

Directions: Check all that apply to this case closure request:

	This so Applies Case C	cenario s to this Closure	Case Closure Scenario:	GIS Registry
	A. On-Site	B. Off-Site	GIS Registry Uniy	Listing
i.			Residual soil contamination exceeds ch. NR 720 generic or site-specific RCLs	\checkmark
ii.			Sites with groundwater contamination equal to or greater than the ch. NR 140, enforcement standards (ES)	\checkmark
iii.			Monitoring wells: lost, transferred or remaining in use	\checkmark
iv.			Structural Impediment (not as a performance standard)	\checkmark
v.			Residual soil contamination remaining at ch. NR 720 Industrial Use levels	\checkmark
vi.			Vapor intrusion may be future, post-closure issue if building use or land use changes	\checkmark
vii.	\boxtimes	\boxtimes	None of the above scenarios apply to this case closure	NA

7. Underground Storage Tanks

Data	Data Tables (Attachment A)						
(2.	If the answer to question 7b is yes, is the leak detection system currently being monitored?	\bigcirc Yes	🔿 No			
E	3.	Do any upgraded tanks meeting the requirements of ch. SPS 310, Wis. Adm. Code, exist on the property?	⊖ Yes	No			
Å	١.	Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action?	\bigcirc Yes	No			

02-45-558039	Ahlgrimm Co Inc - Burn Pit	Case Clos	sure – GIS I	Registry
BRRTS No.	Activity (Site) Name	Form 4400-202	(R 11/13)	Page 8 of 14

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form.All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General directions for Data Tables:

- Use bold and italics font on information of importance on tables and figures. Use bold font for ch. NR 140, Wis. Adm. Code, groundwater enforcement standard (ES) attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, groundwater preventive action limit (PAL) standard attainments or exceedances.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e. do not just list as no detect (ND)).
- Include the units on data tables.
- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15(3)(c), Wis. Adm. Code, in the format required in s. NR 716.15(4)(e), Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Pre-remedial Soil Analytical Table, etc).
- For required documents, each table (e.g., A.1., A.2., etc.,) should be a separate PDF.

A. Data Tables

- A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates, for all groundwater sampling points e.g. monitoring wells, temporary wells, sumps, extraction wells, any potable wells and any other wells, extraction wells and any potable wells for which samples have been collected.
- A.2. **Pre-remedial Soil Analytical Table(s):** Table(s) showing the soil analytical results and collection dates prior to conducting the interim and/or remedial action. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).
- A.3. **Post-remedial Soil Analytical Table(s):** Table(s) showing the post-remedial action soil analytical results and collection dates. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).
- A.4. **Pre and Post Remaining Soil Contamination Soil Analytical Table(s):** Table(s) showing only the pre and post remedial action soil analytical results that exceed a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL).
- A.5. Vapor Analytical Table: Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.
- A.6. Other Media of Concern (e.g., sediment or surface water): Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, time period for sample collection, method and results sampling.
- A.7. Water Level Elevations: Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.
- A.8. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps and Figures (Attachment B)

02-45-558039 BRRTS No. Ahlgrimm Co Inc - Burn Pit Activity (Site) Name

02-45-558039	Ahlgrimm Co Inc - Burn Pit	Case Clos	sure – GIS	Registry
BRRTS No.	Activity (Site) Name	Form 4400-202	(R 11/13)	Page 10 of 14

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions for all Maps and Figures:

- If any map or figure is not relevant to the case closure request, you must fully explain the reason(s) why and attach that explanation (properly labeled with the map/ figure title) in Attachment B.
- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11x17 inches, in a portable document format (pdf) readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions
 of ss. NR 716.15(4), 726.09(2) and 726.11(3), (5) and (6), Wis Adm. Code.
- Do not use shading or highlights on any of the analytical tables.
- Include <u>all</u> sample locations.
- · Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.

B.1. Location Maps

- B.1.a. Location Map: A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all impacted and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.
- B.1.b. Detailed Site Map: A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for on-site and applicable off-site properties, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) established in accordance with the provisions contained in s. NR 720.10 or s. NR 720.12, Wis. Adm. Code.
- B.1.c. **RR Site Map:** From RR Sites Map (http://dnrmaps.wi.gov/sl/?Viewer=RR Sites) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

- B.2.a. **Pre-remedial Soil Contamination:** Figure(s) showing the sample location of all pre-remedial, unsaturated contaminated soil and a <u>single contour</u> showing the horizontal extent of each area of contiguous residual soil contamination that exceeded a Residual Contaminant Level (RCL) established in accordance with the provisions contained in s. NR 720.10 or s. NR 720.12, Wis. Adm. Code.
- B.2.b. **Post-remedial Soil Contamination**: Figure(s) showing the sample location of all post-remedial, unsaturated contaminated soil and a <u>single contour</u> showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) established in accordance with the provisions contained in s. NR 720.10 or s. NR 720.12, Wis. Adm. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.
- B.2.c. Pre/Post Remaining Soil Contamination: Figure(s) showing the only location of all pre and post remedial residual soil sample location(s) where unsaturated contaminated soil remains after remediation and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminate Level (RCL) established in accordance with the provisions contained in s. NR 720.10 or s. NR 720.12, Wis. Adm. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.3. Groundwater Figures

- B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:
 - Source location(s) and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
 - Source location(s) and lateral and vertical extent if groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES)
 - Surface features, including buildings and basements, and show surface elevation changes.
 - Any areas of active remediation within the cross section path, such as excavations or treatment zones.
 - Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1b)
- B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, Preventive Action Limit (PAL) and/or an Enforcement Standard (ES). Indicate the date and dire water flow based on the most recent sampling data.
- B.3.c. Groundwater Flow Direction: Figure(s) representing groundwater movement at the site. If the flow direction varies

Documentation of Remedial Action (Attachment C)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc).
- If the documentation requested below is "not applicable" to the site-specific circumstances, include a brief explanation to support that conclusion.
- If the documentation requested below has already been submitted to the Department, please note the title and date of the report for that particular document requested.
 - C.1. Site investigation documentation, that has not otherwise been previously submitted.
 - C.2. Investigative waste disposal documentation.
 - C.3. Provide a description of the methodology used along with all supporting documentation if the Residual Contaminant Levels are different than those contained in the Department's RCL Spreadsheet available at: http://dnr.wi.gov/topic/Brownfields/Professionals.html.
 - C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.
 - C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment upon receiving conditional closure.
 - C.6. **Photos.** For sites or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system. Include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features should be visible and discernible. Photographs must be labeled with the site name, the features shown, location and the date on which the photograph was taken.
 - C.7. Other. Include any other relevant documentation not otherwise noted above. (This section may remain blank)

Maintenance Plan(s) and Photographs (Attachment D)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

When one or more "maintenance plans" are required for a site closure, include in each maintenance plan all required information listed below, and attach the plan(s) in Attachment D. The following "model" maintenance plans can be located at: (1) Maintenance plan for a engineering control or cover: http://dnr.wi.gov/topic/Brownfields/documents/maintenance-plan.pdf; and (2) Maintenance plan for vapor intrusion: http://dnr.wi.gov/topic/Brownfields/documents/appendix5 606.pdf.

- D.1. Location map(s) which show(s): (1) the <u>feature</u> that requires maintenance; (2) the location of the feature(s) that require(s) maintenance on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) and all property boundaries.
- D.2. Brief descriptions of the type, depth and location of residual contamination.
- D.3. **Description of maintenance action(s)** required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
- D.4. Inspection log, to be maintained on site, or at a location specified in the maintenance plan or approval letter.
- D.5. **Contact information,** including the name, address and phone number of the individual or facility who will be conducting the maintenance.
- D.6 Photographs
 - D.6.a. For site or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system, include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features shall be visible and discernible.

Monitoring Well Information (Attachment E)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

Attach monitoring well construction and development forms (DNR FORM 4400-113 A and B:

http://dnr.wi.gov/topic/groundwater/documents/forms/4400_113_1_2.pdf) for all wells that will remain in-use, be transferred to another party or that could not be located. A figure of these wells should be included in Attachment B.3.d.

Select One:

\odot	No monitoring	wells were	required as	part of this	response action.
\sim	J				

O All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site

Select One or More:

- Not all monitoring wells can be located, despite good faith efforts. Attachment E must include description of efforts made to locate the "lost" wells.
- One or more wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s).
 - One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason(s) the well(s) will remain in use.

Notifications to Owners of Impacted Properties (Attachment F)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- State law requires that the responsible party provide a 30-day, written advance notice (i.e., a letter) to certain persons prior to
 applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source
 property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned.
- Use of Form 4400-286, Notification of Residual Contamination and Continuing Obligations, is required under ch. NR 725 for notifying
 property owners and right-of-way holders about residual contamination affecting their properties, and of continuing obligations
 which may be imposed. This form can be downloaded at http://dnr.wi.gov/files/PDF/forms/4400/4400-286.pdf.

Check all that apply to the site-specific circumstances of this case closure:

	A. Impacted Source Property and Owner is not Conducting Cleanup	B. Impacted Right of Way	C. Impacted Off-Site Property Owner	Impacted Property Notification Situations: Ch. NR 726 Appendix A Letter
1.				Residual groundwater contamination exceeds Ch. NR 140 Wis. Administrative Code enforcement standards.
2.				Residual soil contamination that attains or exceeds standards is present after the remedial action is complete, and must be properly managed should it be excavated or removed.
3.				An engineered cover or a soil barrier (e.g. pavement) must be maintained over contaminated soil for direct contact or groundwater infiltration concerns.
4.				Industrial land use soil standards were used for the clean-up standard.
5.				A vapor mitigation system (or other specific vapor protection) must be operated and maintained.
6.				Vapor assessment needed if use changes.
7.				Structural impediment.
8.				Lost, transferred or open monitoring wells.
9.	\boxtimes	\mathbf{X}	\boxtimes	Not Applicable.

If any of the previous boxes in rows 1 thru 8 were checked, include the following as part of Attachment F:

- FORM 4400-246;
- Copy of each letter sent, 30 days or more prior to requesting closure; and
- Proof of receipt for each letter.
- For this site closure, _____ (number) property (ies) has/have been impacted, the owners have been notified, and copies of the letters and receipts are included in Attachment F.

Source Legal Documents (Attachment G)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submitted being considered incomplete until corrected.

Include all of the following documents, in this order, in Attachment G:

G.1. Deeds - Source Property and Other Impacted Properties: The most recent deed with legal descriptions clearly labeled for (1) the Source Property (where the contamination originated) and (2) all off-source (off-site) properties where letters were required to be sent per the ch. NR 700. Wis, Adm. Code, rule series (e.g., off-site cover maintenance required, lost monitoring well, off-site cover property impacts to groundwater exceeding the ch. NR 140, Wis. Adm. Code.

Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

- G.2. Certified Survey Map: A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (Lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
- G.3. Verification of Zoning: Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- G.4. Signed Statement: A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

Signatures and Findings for Closure Determination

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Check the correct box for this case closure request, and have either a professional engineer or a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code, sign this document.

A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies).

The response action(s) for this site addresses media other than groundwater.

Engineering Certification

Blaine R. Schroyer

Т hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this case closure request has been prepared by me or prepared under my supervision in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Blaine R. Schroyer		Branch Manager
Printed Name		Title
R	2/17/2015	NECONS!!!!
Signature	Date	BLAINE R. SCHROYER E-31505 MUSKEGO WI B

02-45-558039
BRRTS No.

Ahlgrimm Co Inc - Burn Pit Activity (Site) Name Case Closure – GIS Registry Form 4400-202 (R 11/13) Page 14 of 14

Hydrogeologist Certification

I <u>Scott A. Hodgson</u> hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared by me or prepared by me or prepared under my supervision and, in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Scott A. Hodgson	Senior Project Manager							
Printed Name	Title							
Scott D. Hodgson	2/17/2015							

Signature

Date

Save...

02-45-558039 BRRTS No. Ahlgrimm Expl Co Inc – Burn Pit Activity (Site) Name

TABLE OF CONTENTS

Case Closure – GIS Registry

Attachment A: Data Tables

A.1. Groundwater Analytical Table(s): Not Applicable; groundwater was not encountered during the investigation and therefore, a groundwater analytical table was not prepared.

A.2. Pre-remedial Soil Analytical Table(s)

A.3. Post-remedial Soil Analytical Table(s)

Pre and Post Remaining Soil Contamination Soil Analytical Table(s): Not Applicable. A.4. Excavation successfully removed arsenic that was above the 8 mg/kg statewide BTV. Although remaining arsenic concentrations are above its non-industrial direct-contact and soil to groundwater pathway RCLs, they are below the BTV and therefore are not considered an exceedance. Excavation also successfully removed benzo(a)pyrene that was above its nonindustrial direct-contact RCL. In addition the excavation removed cadmium, copper, and lead that was above their respective soil to groundwater pathway RCL at sample WDNR S-02. Lead remains above its soil to groundwater pathway RCL at TP-12 (1'), but the concentration is below the recently published statewide BTV of 52 mg/kg and therefore is not considered an exceedance. Likewise, aluminum remains at each excavation and test pit sidewall and base sample above its soil to groundwater pathway RCL, but the concentrations are within the range of local background aluminum concentrations and below the recently published statewide BTV of 28,721 mg/kg and therefore are not considered an exceedance. Copper (Cu) was present at the location of sample TP-12 (1') at a concentration of 150 mg/kg, which is above its soil to groundwater pathway RCL, but was below the soil to groundwater pathway RCL at the location of sample TP-12 (5.6') and at each of the other locations tested. Therefore, the exceedance of the Cu groundwater pathway RCL at TP-12 (1') is a solitary, isolated exceedance, likely related to a small piece of copper wire in the burn pit, is not widespread, is only slightly above the RCL, and is far above the static water level (27 feet bg at the site potable well). Therefore, we request that this exceedance be considered a de minimis condition and not be added to the GIS.

A.5. Vapor Analytical Table: Not Applicable. A vapor intrusion assessment was not necessary per WDNR and consequently was not performed during the investigation; therefore, a vapor analytical table was not prepared.

A.6. Other Media of Concern (e.g., sediment or surface water): Not Applicable. Other media such as sediment or surface water were not sampled during this investigation and consequently data tables for these media were not prepared. Natural attenuation sampling was not performed nor was an engineered remedial system installed. As such, there are no other data tables prepared relevant to this closure request.

A.7. Water Level Elevations: Not Applicable. Groundwater was not encountered during the investigation; therefore, a groundwater elevation table was not prepared.

A.8. Other: Not Applicable. Other media such as sediment or surface water were not sampled during this investigation and consequently data tables for these media were not prepared. Natural attenuation sampling was not performed nor was an engineered remedial system installed. As such, there are no other data tables prepared relevant to this closure request.

	Table A.2 Pre-Remedial Soil Analytical Table (PAHs & Metals)																																
	Algrimm Explosives W9899 Givens Road Hortonville, Wisconsin Terracon Project No. 58127001																																
			PAHs (µg/kg)											RCRA Metals (mg/kg)								Metals (mg/kg)											
Sample ID	Sample Depth (feet)	PID (ppm)	Sample Date	Acenapthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury	Aluminum	Iron	Copper	Zinc
Background TP-1	1		10/4/2012																											<u>8,150</u>	13,400	12.1	14.1
Background TP-1	2.5		10/4/2012																											<u>9,330</u>	14,400	32.2	24.0
Background TP-2	1		10/4/2012																											<u>2,980</u>	5,890	2.1	9.0
Background TP-2	4.1		10/4/2012																											<u>5,050</u>	8,270	10.7	17.8
Background TP-3	1		10/4/2012																											<u>12,700</u>	15,500	11.1	21.2
Background TP-3	2.8		10/4/2012																											<u>24,100</u>	29,100	35.7	42.0
BURN PIT - BRRTS # 02-4	5-555039	1	1		1	1	1	1 .						1	1		1		1	1			1	1		1			1		,		
WDNR S-02	0-0.5		11/21/2011	<10	<5.0	<11	29	71	59	100	70	60	<10	54	<5.0	78	31	100	54	60	100	<u>8</u>	61	<u>1.0</u>	26.0	80	<2	<1	0.021	<u>12,400</u>	7,690	<u>1,410</u>	608
WDNR S-06	0-0.5		11/21/2011	<10	<5.0	<5.0	34	41	45	44	29	47	<19	74	<5.0	46	<10	<5.0	<10	26	32	<u>1</u>	24.1	0.1	6.9	13.0	<2	<1	0.022	2,380	5,320	66.8	46
TP-10	1	<1	10/4/2012	<8.6	<8.6	<1.8	<8.6	<8.6	<2.5	<8.6	<8.6	<2.0	<8.6	<8.0	<8.6	<8.6	<7.9	<1.6	<3.3	<2.2	<8.6	1.0	15.5	<0.030	6.6	1.6	<0.46	<0.21	0.0068	4,370	5,790	2.5	9.7
TP-10	6	<1	10/4/2012	<11.1	<11.1	<2.3	<11.1	<11.1	<3.2	<11.1	<11.1	<2.5	<11.1	<11.1	<11.1	<11.1	<10.1	<2.1	<4.2	<2.8	<11.1	4.7	70.2	<0.041	29.2	6.8	<0.64	<0.299	0.015	17,700	23,000	35.1	35.5
TP-11	57	<1	10/4/2012	<8.5	<8.5	<1.7	<8.5	<6.5	<2.5	<8.5	<8.5	<1.9	<8.5	<8.5	<8.5	<8.5	<7.8	<1.0	<3.2	<2.2	<8.5	0.83	14.1	0.038	4.9	3.0	<0.46	<0.21	0.0042	<u>3,330</u>	5,170	3.1	10.0
TP 42	3.7	<1	10/4/2012	<9.0	<9.0	<1.0	<9.0	<9.0	<2.0	<9.0	<9.0	<2.0	<9.0	<9.0	<9.0	<9.0	<0.2	5 2	< 3.4	<2.3	<9.0	2.7	23.1	0.000	9.7	3.5	<0.51	<0.23	0.0052	4 000	9,000	14.4	10.0
TP-12	5.6	<1	10/4/2012	<0.0	<0.0	-1.0	<0.0	-0.5	20.0	19.2	-0.5	19.0	<0.0	10	<0.0	-0.5	<0.0	-1.9	4.2	4.0	<0.0	1.4	22.0	<0.0333	14.1	<u>37.0</u>	<0.51	<0.23	0.0091	<u>4,990</u> 9.240	12,500	28.0	27.4
TP-12	1	<1	10/4/2012	< 9.5	< 9.0	<1.9	< 9.5	<9.5	<2.7	< 9.5	< 9.0	<2.2	< 9.0	< 9.5	< 9.0	< 9.5	<0.7	<1.6	<3.0	<2.4	<9.5	17	11.0	0.021	4.1	4.5	<0.32	<0.24	0.0064	2.090	4 970	20.0	17.4
TP-13	57	<1	10/4/2012	<0.0	<0.0	<1.0	<0.0	<0.0	<2.5	<0.0	<0.0	<2.0	<0.0	<0.0	<0.0	<0.0	<8.7	<1.8	<3.5	<2.2	<0.0	3.6	62.5	<0.031	24.2	5.0	<0.44	<0.20	0.0004	1/ 900	21,000	2.3	32.7
TP-14	1	<1	10/4/2012	<8.6	<8.6	<1.3	<8.6	<8.6	<2.1	<8.6	<8.6	<2.0	<8.6	<8.6	<8.6	<8.6	<7.9	<1.6	<3.3	<2.7	<8.6	0.97	10.8	<0.001	4.6	2.3	<0.40	<0.22	0.0000	3.090	4 530	1.5	14.4
TP-14	5.7	<1	10/4/2012	<10.2	<10.2	<2.1	<10.2	<10.2	<2.9	<10.2	<10.2	<2.3	<10.2	<10.2	<10.2	<10.2	<9.3	<1.9	<3.8	<2.6	<10.2	5.9	59.2	<0.028	28.2	8.5	<0.53	<0.20	0.037	14,700	21.000	31.0	31.1
TP-15	1	<1	10/4/2012	<8.6	<8.6	<1.8	<8.6	<8.6	<2.5	<8.6	<8.6	<2.0	<8.6	<8.6	<8.6	<8.6	<7.9	<1.6	<3.2	<2.2	<8.6	0.96	15.1	<0.027	5.3	1.8	<0.43	<0.19	0.0041	3.590	4,790	2.5	12.5
TP-15	5.2	<1	10/4/2012	<9.8	<9.8	<2.0	<9.8	<9.8	<2.8	<9.8	<9.8	<2.2	<9.8	<9.8	<9.8	<9.8	<9.0	<1.8	<3.7	<2.5	<9.8	4.3	80.4	0.037	25.7	6.3	<0.55	<0.25	0.0082	17,100	22,500	30.5	35.7
Direct Cor	ntact Non-In	dustrial RCL ¹		3,440	487	17,200	148	15	148		1,480	14,800	15	2,290,000	2,290,000	148	15,600	229,000	5,150	115,000	1,720,000	0.39	15,300	70.2	100,000	400	391	391	391	77,400	54,800	3,130	23,500
Soil to Gro	oundwater P	athway RCL ²	2			196.7		470	480			145.1		88,817.9	14,814				658.7		54,472.5	0.584	164.8	0.752	360,000	27	0.52	0.8497	0.208	601.2903		<u>91.6</u>	
Backgro	ound Thresh	nold Value ³																				8	364	1	44	52				28,721	34,314	35	150

Notes: Background Test Pit locations are shown on Fig B.1.b. Detailed Site Map 1, all remainining sample locations are shown on Fig B.1.b. Detailed Site Map 2

PAH = Polycyclic Aromatic Hydrocarbons

RCRA = Resource Conservation & Recovery Act

NO₂₋₃ as N = Nirate-nitrite as nitrogen

 NH_{3-4} as N = ammonia-ammonium as nitrogen

¹ Residual Contaminant Levels (RCLs) for Direct Contact per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator (Draft Version for Comments) PUB-RR-890, updated May 2012

² RCLs for Protection of Groundwater per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator (Draft Version for Comments) PUB-RR-890, updated May 2012

³Wisconsin Department of Natural Resources Statewide Background Threshold Value (January 2015)

XX.XX Bold = Exceeds Direct Contact RCL

XX.XX Underlined = Exceeds Soil to Groundwater Pathway RCL

Dashed lines = No established standard or not sampled ---

Results expressed in micrograms per kilogram (ug/kg) or milligrams per kilogram (mg/kg).

	TABLE A.2 Pre-Remedial Soil Analytical Table (VOCs & Nitrogen) Ahlgrimm Explosives W9899 Givens Road Hortonville, Wisconsin Terracon Project No. 58127001																			
	Volatile Organic Compounds (μg/kg)															N	itrogen (mg/k	Cumulat	tive Risk ³	
Sample ID	Sample Depth (feet)	PID (ppmv)	Sample Date	n-Butylbenzene	Styrene	o-xylene	Ethylbenzene	n-propylbenzene	Naphthalene	sec-Butylbenzenee	p-Isopropyltoluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzenee	Toluene	Tetrachloroethene	$NO_{2:3}$ as N	NH _{3.4} as N	Total N (<100)	Cumulative Hazard Index (<1)	Cumulative Cancer Risk (<10 ⁻⁵)
Burn Pit - BRRTS # (3urn Pit - BRRTS # 02-45-558039																			
WDNR S-02	0-0.5		11/21/2011	110	80	95	80	110	160	<50.0	<25.0	87	96	110	<u>94</u>	0.6	<0.16	0.6	1.3687	2.6E-05
WDNR S-06	0-0.5		11/21/2011	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<50.0	<25.0	<25.0	<25.0	<0.25	0.50	0.50	0.2345	6.2E-06
TP-10	1	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.2152	2.60E-06
TP-10	6	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.9013	1.20E-05
TP-11	1	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.1883	2.10E-06
TP-11	5.7	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.3986	6.90E-06
TP-12	1	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.4075	4.80E-06
TP-12	5.6	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.5533	9.70E-06
TP-13	1	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.2220	4.40E-06
TP-13	5.7	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.7727	9.20E-06
TP-14	1	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.1754	2.50E-06
TP-14	5.7	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.8851	1.50E-05
TP-15	1	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.1854	2.50E-06
TP-15	5.2	<1	10/4/2012	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0				0.8642	1.10E-05
Non-Industrial Direct Contact RCL ¹ 108,000 867,000 434,000 7,470 264,000 5,150 145,000 162,000 89,800 182,000 818,000 30,700 100,000																				
Soil-	to-Groundwater	Pathway R0	CL ²		<u>220</u>	<u>3,940</u>	<u>1,570</u>		<u>658.7</u>					<u>1,107.2</u>	<u>4.5</u>					

Notes:

¹ Residual Contaminant Levels (RCLs) for Direct Contact per the WDNR RCL Spreadsheet (May 2012). WDNR Soil Residual Contaminant Level Determinations were calculated using the US EPA Regional Screening Level Web Calculator as described in WDNR PUB-RR-890 (Draft Version for Comments) ² RCLs for Soil to Groundwater Pathway per the WDNR RCL Spreadsheet (May 2012). WDNR Soil Residual Contaminant Level Determinations were calculated using the US EPA Regional Screening Level Web Calculator as described in WDNR PUB-RR-890 (Draft Version for Comments). ³Cumulative Risk calculations per the WDNR RCL Spreadsheet (May 2012).

ppmv = parts per million volume

 NO_{2-3} as N = Nitrite-Nitrate as Nitrogen

NH₃₋₄ as N = Ammonia-Ammonium as Nitrogen

Bold = Exceeds Non-industrial Direct Contact RCL

<u>Underlined</u> = Exceeds Exceeds Soil to Groundwater Pathway RCL

Bold = Exceeds the HQ of 1, the CR of 10-5, or the DATCP Total Nitrogen cleanup goal of 100 mg/kg

Results expressed in either micrograms per kilogram (ug/kg) or milligrams per kilogram (mg/kg)

-- Indicates standard not established, not calculated or not analyzed

TABLE A.3																					
Post-Remedial Soil Analytical Table																					
	Ablarimm Explosives																				
	W9899 Givens Road																				
	Hortonville, Wisconsin																				
	Terracon Project No. 58127001																				
							1	1	1	PAH (µg/kg)				1			1		RCRA Metals (mg/kg)	Cumula	ative Risk*
Sample ID	Sample Depth (feet)	Sample Date	Acenapthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benze(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Arsenic	Cumulative Hazard Index (<1)	Cumulative Cancer Risk (<10 ⁻⁵)
Burn PitWDNR Sam	ple S-06 Are	a																			
3-N	3	11/7/2013	<9.5	<9.5	<9.5	<9.5	<9.4	<9.5	<9.5	<3.3	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	1.5	-	-
3-S	3	11/7/2013	<9.4	<9.4	<9.4	<9.4	<3.4	<9.4	<9.4	<3.3	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	1.2	-	-
3-E	3	11/7/2013	<9.3	<9.3	<9.3	<9.3	<3.4	<9.3	<9.3	<3.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	1.3	-	-
3-W	3	11/7/2013	<9.3	<9.3	<9.3	<9.3	<3.3	<9.3	<9.3	<3.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	2.0	-	-
3-BASE	3	11/7/2013	<9.1	<9.1	<9.1	<9.1	<3.3	<9.1	<9.1	<3.2	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	<9.1	1.9	-	-
Burn PitWDNR Sam	ple S-02 Are	a																			
4-N	3	11/7/2013	<9.2	<9.2	<9.2	<9.2	<3.3	<9.2	<9.2	<3.3	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	1.5	-	-
4-S	3	11/7/2013	<9.3	<9.3	<9.3	<9.3	<3.3	<9.3	<9.3	<3.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	1.5	-	-
4-E	3	11/7/2013	<9.3	<9.3	<9.3	<9.3	<3.3	<9.3	<9.3	<3.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	1.5	-	-
4-W	3	11/7/2013	<9.2	<9.2	<9.2	<9.2	<3.3	<9.2	<9.2	<3.3	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	<9.2	2.0	-	-
4-BASE	3	11/7/2013	<9.8	<9.8	<9.8	<9.8	<3.5	<3.5	<9.8	<3.5	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	3.6	0.1050	5.90E-06
Direct Contact	t Non-Industr	ial RCL ¹	3,440,000		17,200,000	148	15	148			14,800	15	2,290,000	2,290,000	148	5,150		1,720,000	0.614		
Soil to Ground	dwater Pathw	ay RCL ²			<u>196,744</u>		<u>470</u>	<u>480</u>			<u>145.1</u>		<u>88,817.9</u>	<u>14,814.8</u>		<u>658.7</u>		<u>54,472.5</u>	<u>0.584</u>		
Background	d Threshold \	/alue⁴																	8		

Notes:

PAH = Polyaromatic Hydrocarbons

RCRA = Resource Conservation & Recovery Act

¹ Residual Contaminant Levels (RCLs) for Direct Contact per the WDNR RCL Spreadsheet (June 2013). WDNR Soil Residual Contaminant Level Determinations were calculated using the US EPA Regional Screening Level Web Calculator as described in WDNR PUB-RR-890 (June 2013).

² RCLs for Protection of Groundwater per the WDNR RCL Spreadsheet (June 2013). WDNR Soil Residual Contaminant Level Determinations were calculated using the US EPA Regional Screening Level Web Calculator as described in WDNR PUB-RR-890 (June 2013).

³Cumulative Risk calculations per the WDNR RCL Spreadsheet (June 2013).

⁴ Wisconsin Department of Natural Resources Statewide Background Threshold Value (January 2015)

Bold = Exceeds Direct Contact Non-Industrail RCL

<u>Underlined</u> = Exceeds Soil to Groundwater Pathway RCL

Bold = Exceeds the HQ of 1 or the CR of 10-5

Results expressed in micrograms per kilogram (ug/kg) or milligrams per kilogram (mg/kg).

-- Indicates standard not established, not calculated or not analyzed

Table A.4 Pre-and Post Remaining Soil Contamination Soil Analytical Table											
Algrimm Explosives-Burn Pit Area (BRRTS #02-45-558039) W9899 Givens Road Hortonville, Wisconsin Terracon Project No. 58127001											
mg/kg											
Sample ID	Sample Depth (feet)	PID (ppm)	Sample Date	Copper							
TP-12 1 <1 10/4/2012 <u>150</u>											
Direct Contact Non-Industrial RCL ¹ 3,130											
Soil to Groundwater Pathway RCL ² <u>91.6</u>											
Background Threshold Value ³ 35											
<u>Notes:</u> ¹ Residual Contaminant Leve Residual Contaminant Leve Regional Screening Level V Comments) PUB-RR-890, ² RCLs for Protection of Gro	Notes: ¹ Residual Contaminant Levels (RCLs) for Direct Contact per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator (Draft Version for Comments) PUB-RR-890, updated May 2012										
Level Determinations Using the US EPA Regional Screening Level Web Calculator (Draft Version for Comments) PUB-RR-890, updated May 2012											
"Wisconsin Department of Background Threshold Valu	Natural Reso ue (January 2	ources Statev 2015)	vide								
XX.XX	Bold = Exc	eeds Direct C	ontact RCL								
<u>XX.XX</u>	Underlined	= Exceeds So	oil to Groundwate	er Pathway RCL							
Dashed lines = No established standard or not sampled											
Results expressed in milligr	Results expressed in milligrams per kilogram (mg/kg).										

Ahlgrimm Expl Co Inc – Burn Pit

BRRTS No.

Activity (Site) Name

TABLE OF CONTENTS

Case Closure – GIS Registry

Attachment B: Maps and Figures

- B.1. Location Maps
 - B.1.a. Location Map
 - B.1.b. Detailed Site Map-1
 - B.1.b Detailed Site Map-2
 - B.1.c. RR Site Map
- B.2. Soil Figures
 - B.2.a. Pre-remedial Soil Contamination
 - B.2.b. Post-remedial Soil Contamination

B.2.c. Pre/Post Remaining Soil Contamination: Not Applicable: There was no remaining soil above applicable RCLs/BTVs and therefore a pre/post soil contamination map is not necessary and is not included.

B.3. Groundwater Figures

B.3.a. Geologic Cross-Section Figure(s)

B.3.b. Groundwater Isoconcentration: Not Applicable: Groundwater was not encountered during the investigation, therefore, a groundwater isoconcentration map was not prepared.

B.3.c. Groundwater Flow Direction: Not Applicable: Groundwater was not encountered during the investigation, therefore, a groundwater flow direction map was not prepared.

B.3.d. Monitoring Wells: Monitoring wells were not installed during this investigation, therefore, a monitoring well map was not prepared.

B.4 Vapor Maps and Other Media

B.4.a Vapor Intrusion Map: Not Applicable: Vapor intrusion was not assessed during the investigation, therefore, a vapor intrusion map was not prepared.

B.4.b. Other Media of Concern (e.g. sediment or surface water): Not Applicable: Sediment and surface water were not assessed during site investigation.

B.4.c. Other: Not Applicable: There are no other relevant maps/figures which were prepared for this case closure request.









B.1.c - RR Sites Map



Ahlgrimm Expl Co Inc – Burn Pit

BRRTS No.

Activity (Site) Name

TABLE OF CONTENTS

Case Closure – GIS Registry

Attachment C: Documentation of Remedial Action

C.1. Site Investigation Documentation:Reports which were previously submitted to WDNR:Site Investigation Workplan (7/9/2012)Site Investigation Report (7/31/2013)

C.2. Investigative Waste

Previously submitted: Remedial Action Documentation Report (2/3/2014), included waste disposal documentation.

C.3. NR 720.19 Analysis: Not Applicable: Site specific RCLs were not calculated for the site. However, site specific background threshold value ranges were developed for aluminum, iron, copper, and zinc.

C.4. Construction Documentation:

Previously submitted: Remedial Action Documentation Report (2/3/2014)

C.5. Decommissioning of Remedial Systems: Not Applicable: An active remedial system was not installed as part of the remedial action; therefore, remedial system decommissioning is not needed.

C.6. Photos: Not applicable. A cap or performance standard is not necessary as there is no soil contamination remaining above applicable RCLs/BTV.

C.7. Other: Not Applicable: No other remedial action documentation is included.

Ahlgrimm Expl Co Inc – Burn Pit

BRRTS No.

Activity (Site) Name

TABLE OF CONTENTS

Case Closure – GIS Registry

<u>Attachment D: Maintenance Plan(s) and Photographs</u>: Not Applicable: A maintenance plan is not necessary and has not been designed or implemented for the site; therefore maps, descriptions, maintenance actions, contact information and photographs are not included as part of this case closure.

- D.1. Location Map(s)
- D.2. Brief Descriptions
- D.3. Description of Maintenance Action(s)
- D.4. Inspection Log
- D.5. Contact Information
- D.6. Photographs

Ahlgrimm Expl Co Inc – Burn Pit

BRRTS No.

Activity (Site) Name

TABLE OF CONTENTS

Case Closure – GIS Registry

Attachment E: Monitoring Well Information

Not Applicable: Groundwater was not encountered during site activity; therefore, monitoring wells were not installed during our investigation.

Ahlgrimm Expl Co Inc – Burn Pit

BRRTS No.

Activity (Site) Name

TABLE OF CONTENTS

Case Closure – GIS Registry

Attachment F: Notifications to Owners of Impacted Properties

Not Applicable: There is no soil contamination remaining above applicable Residual Contaminant Levels or Background Threshold Levels

Ahlgrimm Expl Co Inc – Burn Pit

BRRTS No.

Activity (Site) Name

TABLE OF CONTENTS

Case Closure – GIS Registry

Attachment G: Source Legal Documents

Not Applicable: The site is being closed as a clean site, therefore, no source legal documents are included with this closure.