June 2020

Storm Water Pollution Prevention Plan Neely Trucking & Excavating Highway 49 Mine

Neely Trucking & Excavating Highway 49 Mine Near the SE Corner of the Intersection of Highway 49 & Maclean Road Jackson, Hinds County, Mississippi

Prepared For:

Neely Trucking & Excavating Company, Inc. 652 Highway 469 North Florence, Mississippi 39073

Prepared By:

Franklin Environmental Group

NEELY TRUCKING & EXCAVATING HIGHWAY 49 MINE STORM WATER POLLUTION PREVENTION PLAN (SWPPP)



Franklin Environmental Group

NEELY TRUCKING & EXCAVATING COMPANY, INC.

NEELY TRUCKING & EXCAVATING HIGHWAY 49 MINE

Near SE Corner of Intersection of Highway 49 and Maclean Road

JACKSON, HINDS COUNTY, MISSISSIPPI

UNDER MISSISSIPPI'S MINING STORM WATER GENERAL NPDES PERMIT

COVERAGE NO. MSR 32____

SWPPP MANAGER: Mr. Chris Neely

SWPPP COMMITTEE MEMBER:

Chris Neely – Neely Trucking & Excavating Company, Inc.

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1.0 INTRODUCTION

The Clean Water Act (CWA), as amended (33 U.S.C. 1251 et.seq.) and the rules and regulations promulgated under the authority of this Act require a permit for storm water discharges associated with certain industrial activities. These requirements are set forth in the National Pollutant Discharge Elimination System (NPDES) Mining General Storm Water Permit for the State of Mississippi, reissued February 16, 2018. Regulatory applicability is determined by the specific description of the covered industry, or activity, or by the Standard Industrial Classification (SIC) code which is 1442, Construction Sand and Gravel, for this activity. The Mississippi Department of Environmental Quality (MDEQ) NPDES Mining General Storm Water Permit authorizes discharges of storm water within the State of Mississippi from surface mining operations as defined in MDEQ Regulation WPC-1 Wastewater Regulations for NPDES Permits. Franklin Environmental Group, Inc. was retained by Neely Trucking & Excavating Company, Inc. (Neely Trucking) of Florence, Mississippi, to prepare this Storm Water Pollution Prevention Plan (SWPPP) for an approximate 30-acre site referred to as the Neely Trucking & Excavating Highway 49 Mine. The purpose of the SWPPP is to identify potential contaminants to storm water, describe best management practices (BMPs) and control measures, and maintain compliance with the terms and conditions of the Mining Storm Water General Permit - MSR32. This SWPPP was prepared in accordance with the MDEQ Mississippi SWPPP Guidance Manual for Industrial Facilities and the SWPPP Guidance Manual for Construction Activities. The SWPPP must identify potential pollutant sources, describe and ensure implementation of pollutant reduction practices, assure compliance with permit conditions and incorporate appropriate spill/leak responses and structural and non-structural best management practices (BMPs). Franklin Environmental Group teamed with Headwaters, Inc. to determine jurisdictional waters on the site. The delineation is included as an attachment. Headwaters, Inc. has submitted its delineation to the Corp of Engineers for approval.

2.0 SITE LOCATION AND DESCRIPTION

The Neely Trucking & Excavating Highway 49 Mine is located near the SE corner of the intersection of Highway 49 and Maclean Road, Jackson, Hinds County, Mississippi, latitude 32° 24′ 31.27″ North, longitude 90° 16′ 52.91″ West, being situated in the southwest quarter of the southeast quarter of Sections 34 & 35, Township 7 North, Range 1 West, Hinds County, Mississippi. The site encompasses approximately 30 acres and will be mined for borrow material to a depth of approximately 25 feet below surface grade. Access to the site will be provided through the existing Neely Trucking Mining permitted area located south (adjacent) to proposed mine. A topographic map showing a site plan and proposed drainage patterns is attached as Figure 1. An aerial photograph showing site location and major site features is attached as Figure 2. A 150′ buffer will be maintained around the perennial stream onsite. A 100′ buffer from public right-of-way will be maintained. A 50′ buffer will be maintained around ephemeral streams.

3.0 POLLUTION PREVENTION TEAM

The Pollution Prevention Team (PPT) is responsible for oversight, implementation, maintenance, and any necessary revisions to the SWPPP. Members of the Neely Trucking & Excavating Highway 49 Mine PPT are:

• Mr. Chris Neely, PPT Leader.....(601) 845-2366

Specifically, team responsibilities include identifying pollutant sources and risk, choosing BMPs, and assessing the SWPPP effectiveness. The PPT leader (PPTL) will keep up-to-date on all site operations and ensure that changes are made to the SWPPP, as needed.

4.0 POTENTIAL SOURCES OF STORM WATER POLLUTANTS

4.1 Narrative Description of Activities and Significant Materials

Potential sources of storm water pollution during operation of the proposed surface mine are as follows:

Exposed soil.

Incidental contaminants from heavy equipment and trucks, such as oil, grease, and fuel, may be present due to minor leaks, spills, or other causes. The maximum flow anticipated from this type of exposure is expected to be insignificant.

4.2 Significant Spills or Leaks

Significant spills or leaks are defined by federal regulations as a release within a 24-hour period of a hazardous substance or oil in an amount equal to, or in excess of, a reportable quantity listed in 40 CFR Part 117 and 40 CFR Part 302. To the knowledge of the landowner, no significant spills or leaks have occurred at the site to-date (see Appendix A).

Significant spills or leaks that could occur in the future will be reported to the proper authorities in accordance with applicable regulations and requirements. A list of regulatory agencies can be found in Appendix B. In such an event, documentation shall include the following information, as appropriate:

- Date of spill;
- Weather conditions:
- Duration of spill;
- Cause of spill;
- Environmental problems created by spill;
- Response procedures;
- Parties notified:
- Recommended revisions to the SWPPP and operating procedures; and
- Equipment needed to prevent recurrence.

5.0 NON-STORM WATER DISCHARGE CERTIFICATION

Federal law and the General Permit virtually prohibit all non-storm water discharges unless specifically permitted under an NPDES Permit. A Non-Storm Water Discharge Evaluation and Certification is included in Appendix C. Potential non-storm water discharges will be monitored during monthly site inspections, as well as the annual evaluation.

6.0 STORM WATER MANAGEMENT CONTROLS

General facility BMPs such as identifying a pollution prevention committee, sediment and erosion control, preventive maintenance, good housekeeping, spill prevention and response procedures, employee training, preventing non-storm water discharges, and routine site inspections were developed. The pollution potential, existing BMPs, and BMPs to be implemented for the identified exposed significant materials were assessed and will be developed based on risk identification, assessment, and material inventory of potential sources at the site. Descriptions of the BMPs are provided in the following sections. A 150' buffer will be maintained around the perennial stream onsite.

6.1 Sediment and Erosion Control

Berms will be located around the downslope side of each phase. These berms will be used as erosion control on disturbed areas to prevent sediment from reaching any intermittent receiving stream, lake, or storm water drainage ditch. Rip-rap rock check will be placed along the berms and discharge points to minimize sediment from exiting the site. Rock checks will be maintained by removing sediment from control when it has reached ½ the height of the rock check. Erosion controls will be installed prior to commencement of mining. When a disturbed area not actively being mined will be left undisturbed for 30 days or more, the appropriate temporary or permanent vegetative practices shall be implemented within seven (7) calendar days. The seeding chart contained in the MDEQ Mississippi SWPPP Guidance Manual for Construction Activities will be used as guidance. A haul road construction entrance to adjacent Neely permitted mine will be utilized to minimize sediment tracking onto public roads. A monthly inspection form is attached in Appendix D. No sediment basins will be utilized onsite due to the size of total disturbed area at one time for the site. Silt fencing will be placed on the down stream side running along the earthen berm to prevent sediment from exiting the site. Silt fencing will be repaired or replaced when sediment has reached ½ the height of the control.

6.1.1 Implementation Sequence

The project will be divided into six phases to minimize disturbance of soils. No individual phase exceeds 10 acres or more draining to a single point and no surface discharge is required. Install construction entrance, rip-rap rock checks, berms, and/or other MDEQ approved BMPs. 2/ Perform clearing and grubbing operations as needed. 3/ Mine areas as needed to reduce areas that will be left undisturbed for 30 more days. 4/ Grade areas for seeding and reclamation. 5/ Conduct final stabilization and reclamation. 5/Remove all temporary measures.

6.2 Preventive Maintenance

The preventive maintenance program at the Neely Trucking & Excavating Highway 49 Mine will involve the inspection and maintenance of storm water management devices and the inspection of potential pollutant sources to preclude breakdowns, or failures, which could result in discharges of polluted storm water. Maintenance of storm water management devices, performed as part of this program, and other routine maintenance programs include the following:

- Cleaning accumulated sediment from conveyance systems;
- Clearing of debris from drainage culverts; and
- Checking containment structures.

6.3 Good Housekeeping

Good housekeeping practices will be implemented and are intended to keep the facility clean and orderly, thus minimizing the potential for contribution to storm water run-off. Good housekeeping involves the following categories:

- No vehicle or equipment maintenance will be conducted onsite;
- No material storage onsite; and
- No material inventory is needed onsite.

6.3.1 Operation and Maintenance

The following general practices will be implemented into the Neely Trucking & Excavating Highway 49 Mine good housekeeping program and will remain in place for the duration of mining activities:

- Regularly pick up and dispose of garbage, debris or waste material found in, and around, the facility;
- Drip pans or buckets will be placed beneath hose connections during loading/unloading operations of motor fuels, as applicable;
- All equipment will be inspected once every month to ensure proper working conditions; and
- Inspections for leaks that could lead to discharges of chemicals, or for conditions
 where storm water contacts raw materials, waste materials or products will be
 performed monthly.

6.3.2 Material Storage Practices

Drums will not typically be used at the facility. Should drums be stored, the following proper storage techniques will be followed:

- Storage containers, and drums will be moved away from direct traffic routes to prevent spills;
- Containers will be stored on pallets, or similar devices, to prevent corrosion of the containers which can result when in contact with moisture on the ground; and
- The responsibility of hazardous material inventory will be assigned to a limited number of personnel who are trained to handle hazardous materials.

6.3.3 Material Inventory Procedures

The following inventory procedures will be followed:

- No chemical substances present in the work place will be identified;
- All containers will be labeled to show the name, type of substance, stock number, expiration date, health hazards, suggestions for handling, and first aid information; and
- All hazardous waste materials and recyclable materials which require special handling, storage, use, and special consideration will be clearly marked on the container.

6.4 Spill Plans and Response Procedures

Fuel storage is offsite.

Procedures for cleaning up spills, or releases, of potential pollutants are as follows:

- Personnel involved in the clean-up will take precautions to protect personal health and safety, as outlined in the MSDS for the spilled or released substance;
- All spills and releases of potential pollutants which could potentially contaminate storm water are to be completely contained upon discovery;
- The source material of the spill will be identified and halted immediately;
- The spilled material will be cleaned up immediately;
- The spilled or released material, all disposable equipment, and contaminated equipment will be disposed of in appropriate containers; and
- Non-disposable equipment shall be decontaminated or, disposed of, in accordance with 40 CFR Parts 260-265.

In the event of a hazardous material release, an employee will contact the PPTL. In the event of a small localized spill, an employee will immediately pour non-combustible sorbent material on the affected area. Arrangements will be made for proper disposal according to 40 CFR Parts 260-265.

The PPTL and PPT will be notified of any spills or releases. Spills, or releases, which are not fully contained, will be reported to the appropriate agency or agencies which are listed in Appendix B. Records of spills or releases will be documented in Appendix A.

6.5 Employee Training

Effective management of storm water pollution requires that all facility staff be familiar with those conditions that may cause pollution. Furthermore, day-to-day proper use of BMPs by all employees is essential for the success of the SWPPP. Mr. Chris Neely, the designated PPTL, will be responsible for implementation of the guidelines established in the SWPPP.

The PPTL is responsible for employee training at the Neely Trucking & Excavating Highway 49 Mine. Training objectives will consist of: (1) spill prevention and response, (2) good housekeeping practices, (3) material management practices, and (4) other general BMPs. Training will be conducted on an annual basis, and the information will be reviewed with new employees during their employee orientation. Regular feedback regarding the implementation and maintenance of the storm water management practices should be obtained from operations staff by the PPTL. In addition, the PPTL will annually evaluate the effectiveness of the training program and make improvements to promote employee awareness (see Appendix E).

6.6 Visual Site Inspections

Neely Trucking will continue to perform inspections of all erosion controls and other SWPPP requirements during permit coverage for the Neely Trucking & Excavating Highway 49 Mine. The inspections will be performed at least monthly and after 2-year, 24-hour storm event (approximately 4-inches on the MS/TN State Line); and as often as is necessary to ensure that appropriate erosion and sediment controls have been properly constructed and maintained. The inspections will determine if additional or alternative control measures are required. Inspections will be recorded on the MDEQ "Annual Storm Water Site Inspection Report Form"

as presented in Appendix D. Non-functioning erosion controls will be repaired, replaced, or supplemented with functional controls within 24 hours of discovery, or as soon as field conditions allow.

7.0 NON-NUMERICAL LIMITATIONS, INSPECTIONS, RECORD KEEPING AND REPORTING

7.1 Storm Water Discharge Limitations

Storm water will be free from:

- Debris, oil scum, and other floating materials other than in trace amounts;
- Eroded soils and other materials that will settle to form objectionable deposits in receiving streams;
- Suspended solids, turbidity, and color at levels inconsistent with receiving streams;
 and
- Chemicals in concentrations that would cause violation of State water quality criteria in receiving streams.

7.2 Record Keeping

Records obtained during (1) monthly visual inspections and (2) the semi-annual site evaluation will be retained onsite for a minimum of three years after the date of the inspection. The PPTL will be responsible for implementing record keeping procedures.

7.3 Reporting

Inspection reports for SWPPP Evaluation will be will keep onsite or locally available.

In the event of anticipated, or unanticipated, noncompliance with the Storm Water General Permit requirements, the following procedures will be followed:

- Anticipated Noncompliance The owner or operator will give at least ten days advance notice, if possible, before any planned noncompliance with the permit; and
- Unanticipated Noncompliance The owner or operator will notify the MDEQ orally within 24 hours from the time that he, or she, becomes aware of unanticipated noncompliance. A written notice will be provided to the MDEQ within five working days of the time that he, or she, becomes aware of the circumstances. The written report must describe the cause, exact dates and times, steps taken or planned to reduce, eliminate, or prevent reoccurrence of the noncompliance and if the noncompliance has not ceased, the anticipated time for correction.

7.4 **Annual SWPPP Update**

Based upon the findings of the annual site evaluation, Neely Trucking will amend the SWPPP and SWPPP practices whenever there is change in design, construction, operation, or maintenance, which may potentially increase controlling storm water pollutants. Trucking will submit the amended SWPPP to the MDEQ within 30 days following any amendments.

8.0 CERTIFICATION OF SWPPP

I certify under penalty of the law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person, or persons, who manages the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

President, FEG

June 30, 2020

Date

Certified Professional in Erosion and Sediment Control - #6618 Certified Professional in Municipal Storm Water Management - #0196



Franklin Environmental Group

ATTACHMENT

HEADWATERS, INC. STUDY



June 4, 2020

Ms. Patricia Neely Neely Trucking P.O. Box 1245 Florence, Mississippi 39073

RE: Neely Trucking
Highway 49 North Property
Hinds County, Mississippi
Wetland Assessment

Dear Ms. Neely:

Per your request, Headwaters, Inc. has completed a wetland and "other waters of the U.S." assessment on the above referenced property located in Hinds County, Mississippi. Headwaters conducted the initial site review and assessment of the subject property on May 29, 2020.

Our assessment was based upon the property boundaries as depicted on the property location maps and site plans provided to us by your office and verified by the field assessment of the property boundaries. The subject property consists of a parcel of land totaling approximately 53.60-acres located within an undeveloped portion of Hinds County located along the east side of Highway 49 North and along the south sides of Maclean Road and Phillips Drive. More specifically, the subject property is situated within Sections 34 & 35, Township 7 North, Range 1 West. The site can also be referenced by Global Positioning System (GPS) coordinates, N32.408752° - W90.278543°. Primary access to the property is granted by Highway 49 to the west, natural gas easement to the south, and Phillips Drive and Maclean Road to the north. Access is limited to foot travel only.

The initial phase of this assessment involved the assimilation of all available information related to the subject property that would help establish a historical perspective of the property and highlight the physical attributes of the property, the primary drainage patterns, and the physical location of any suspected wetland areas present within the limits of the property. An integral component of the initial phase included the review of the 2018 USDA National Agricultural Imagery Program (NAIP) and the U.S.G.S. *Pocahontas, Mississippi* Quadrangle Map (Attachment I).

Drainage across the preponderance of the subject property can be considered as moderate with natural drainage patterns found to be consistent with the available quadrangle maps. Drainage is conveyed generally to the north through natural

drainage features that cut across the property until eventually flowing into Bogue Chitto Creek to the west.

The initial review also included an assessment of the Hinds County, Mississippi Soil Survey, which revealed the subject property consists of Loring silt loam, 2 to 5 percent slopes moderately eroded (LoB2), Loring silt loam, 5 to 8 percent slopes, severely eroded (LoC3), Loring silt loam, 8 to 17 percent slopes, eroded (LoD2), Riedtown silt loam, 0 to 2 percent slopes, occasionally flooded (Re), and Siwell silt loam, 5 to 8 percent slopes, eroded (SeC2). Each of these soils is classified as 1 to 32 percent hydric except Loring (LoC3) and Loring (LoB2) which are classified as not hydric (0%) by the USDA NRCS.

Based upon our preliminary evaluation, the subject property has been historically utilized for timber production purposes, while the remaining portions of the property were occupied by utility easements. The surrounding areas have been historically utilized for commercial, industrial, and residential purposes. Presently, general land use of the surrounding areas can be described as undeveloped forestlands, mining operations, residential developments, and sporadic residential estates. The subject property was cleared in early 2014. The current habitat consists of a dense scrub-shrub stratum. A natural gas pipeline easement transects the southern portion of the site. The easement is well maintained and contains naturally vegetated swales. The swales exhibited signs of hydrology and hydric vegetation but lacked the hydric soil criteria to be deemed a wetland. The source of the hydrology was observed to be runoff from the property south of the subject property.

Once the initial map and historical review were complete, a field assessment was conducted to verify the primary habitat types present within the limits of the subject property, specifically jurisdictional waters, utilizing the 2010 Regional Supplement to the U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual. Particularly, the regional supplement provides delineation guidance when considering soils and hydrology indicators of the Atlantic and Gulf Coastal Plain Region, in which the subject property is located. The field assessment revealed the presence of one (1) segment of an intermittent stream, three (3) ephemeral stream channels and scrub-shrub upland habitat within the subject property.

Given the natural topography and relatively moderate relief of the subject property, systematic transects were not employed in the field delineation methodology. Rather, wetland data points were established and documented utilized GPS waypoints to verify potential jurisdictional wetlands and/or "other waters of the U.S." using an efficient approach based upon observations of vegetative and topographical features encountered in the field. The wetland delineation data points were spaced to ensure adequate coverage of each predominant habitat type present.

Based upon the site assessment completed, the following descriptions of the three (3) confirmed habitat types will be in general terms without specific chronology:

Intermittent Stream:

One (1) segment of an intermittent stream channel was observed transecting the northern portion of the subject property. This stream reach may be characterized by a relatively small channel approximately three (3) feet wide and two (2) feet deep. More specifically, this stream channel exhibits seasonal or intermittent flows throughout the year. This stream reach lacks significant vegetative components within the channel. The top banks of the channel were revealed to be upland in nature. The presence of the intermittent stream reach identified within the limits of the subject property would be considered as an "other waters of the United States."

Ephemeral Streams:

Additionally, the subject property contains three (3) ephemeral stream channels that can be described by shallow, defined stream banks with the overall lack of vegetative components within. The ephemeral stream channels predominantly provide storm water relief and convey storm water to the north through the subject property's natural topographic draw. Storm water runoff will be the primary source of water flow for the ephemeral stream channels with no apparent ground water recharge. The presence of the ephemeral stream channels within the subject property would be considered as "other waters of the U.S."

Upland (Non-Wetland) Habitat:

The remaining portions of the subject property are contained within a scrub-shrub upland (non-wetland) habitat type. Mature timber was observed along the perimeter of the subject property and small area on the eastern portion of the site. Additionally, the western and central portions of the site were recently cleared. Due to these upland habitats being present on higher elevations and hillslopes, the uplands were absent of any significant hydrology indicators or hydric characteristics. The primary vegetation observed within the upland habitats consist of loblolly pine (Pinus taeda), sweetgum (Liquidambar styraciflua), silktree (Albizia julibrissin), Chinese tallow (Triadica sebifera), water oak (Quercus nigra), black cherry (Prunus serotina), water oak (Quercus nigra), cherry-bark oak (Quercus pagoda), winged elm (Ulmus alata), osage-orange (Maclura pomifera), American elm (Ulmus americana), winged sumac (Rhus copallinum), pecan (Carya illinoinensis), green ash (Fraxinus pennsylvanica), honeylocust (Gleditsia triacanthos), eastern red cedar (Juniperus virginiana), beauty berry (Callicarpa americana), dog-fennel (Eupatorium capillifolium), Solidago spp., broomsedge (Andropogon virginicus), sawtooth blackberry (Rubus argutus), long-leaf wood-oats (Chasmanthium sessiliflorum), poverty rush (Juncus tenuis), peppervine (Nekemias arborea), trumpet creeper (Campsis radicans), Virginia creeper (Parthenocissus quinquefolia), poison ivy (Toxicodendron radicans), and honeysuckle (*Lonicera japonica*), among others.

The soils sampled within the upland habitat types were observed to range from a 5/3 (brown) to a 6/3 (brown) and a 4/4 (dark yellowish brown) to a 5/4 (yellowish brown) on the 10YR page of the Munsell Soil Color Chart with limited to no soil mottling.

Based the field investigations, the following is a breakdown of the specific habitat types present within the limits of the subject property:

Total	53.60 acres
Uplands (Non-Wetland)	53.45 acres
Ephemeral Streams	2,073.79 l.f. or 0.10 acres
Intermittent Stream	768.57 l.f. or 0.05 acres

Copies of the U.S.G.S. *Pocahontas, Mississippi* Quadrangle Maps and USDA NAIP 2018 color photograph covering the subject property are included as Attachment I. Copies of the U.S.G.S. *Pocahontas, Mississippi* Quadrangle Maps and USDA NAIP 2018 color photograph depicting the specific locations of the wetland habitats and "other waters of the U.S." and wetland delineation points are included as Attachment II. Copies of the completed wetland determination data forms are included as Attachment III. Photographs of selected property features are also included as Attachment IV for your use and review.

Based upon our field assessment, it was revealed that the site does contain wetlands and "other waters of the U.S." subject to regulations by the USACE. Prior to any site development activities that would adversely impact these areas, consultation with the USACE may be required. Please let us know if you have any questions regarding the necessary permit requirements for the development of this site.

As always, we appreciate the opportunity to be of assistance to you in this matter. If you have any questions or would like to discuss further, please do not hesitate to contact us.

Sincerely,

Joshua G. Brown Project Manager

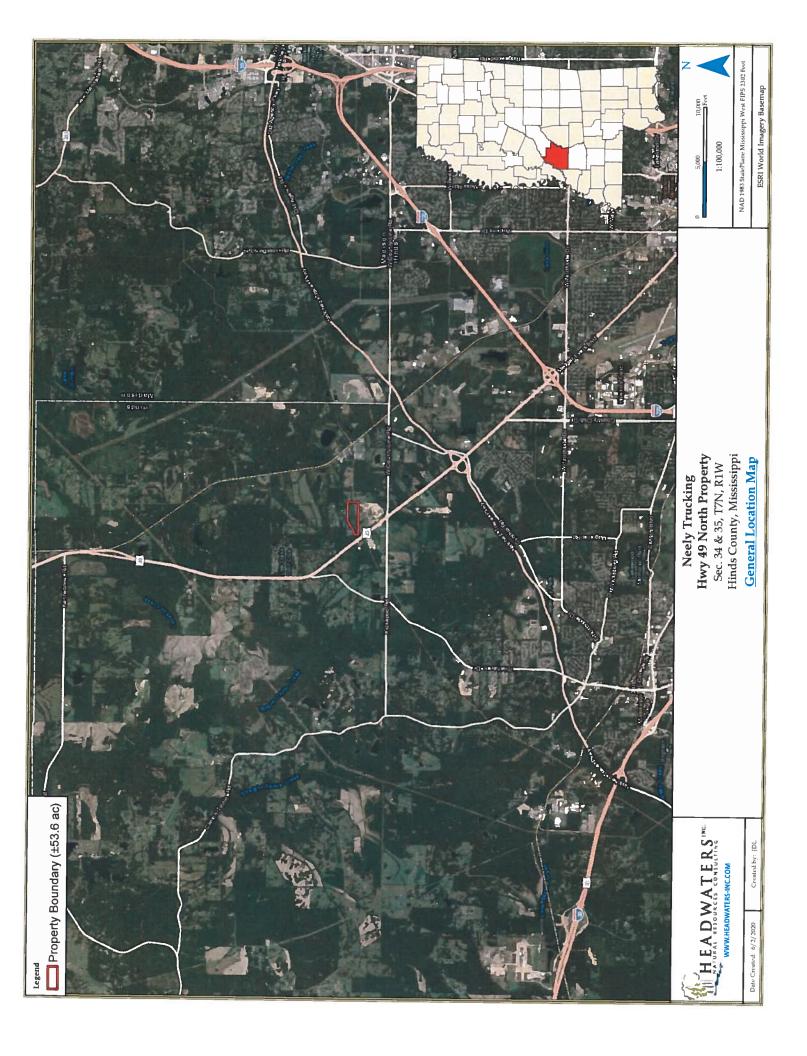
JCC\ Attachment

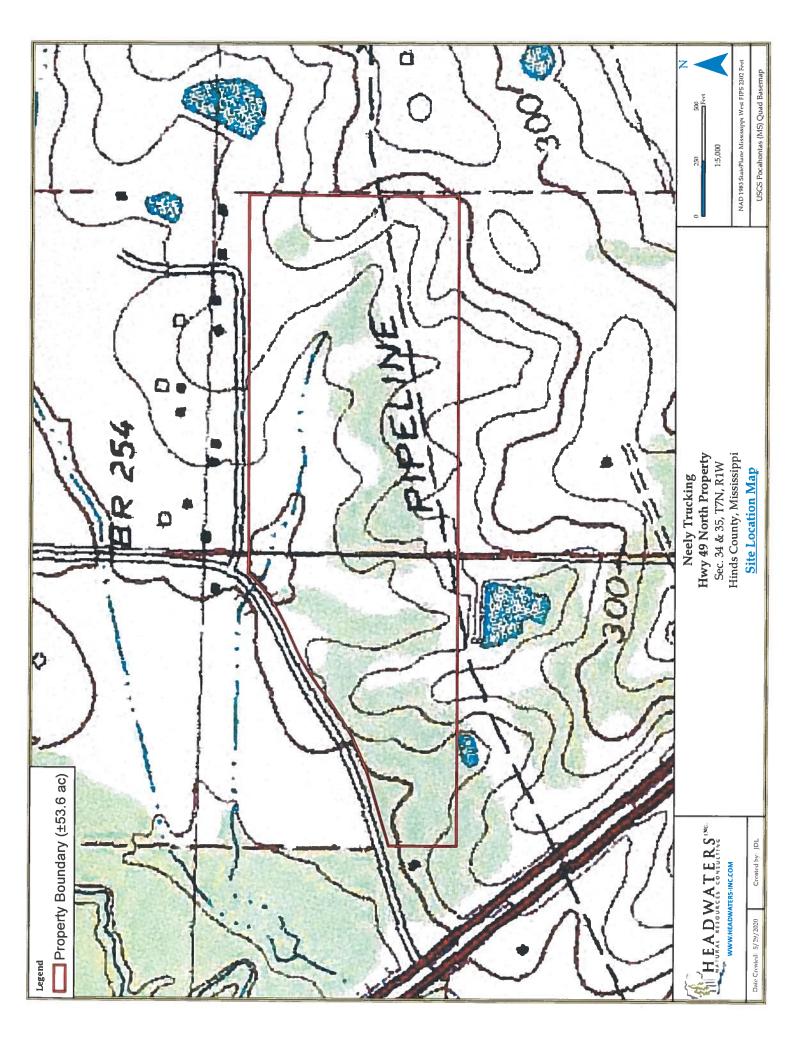
Attachment I

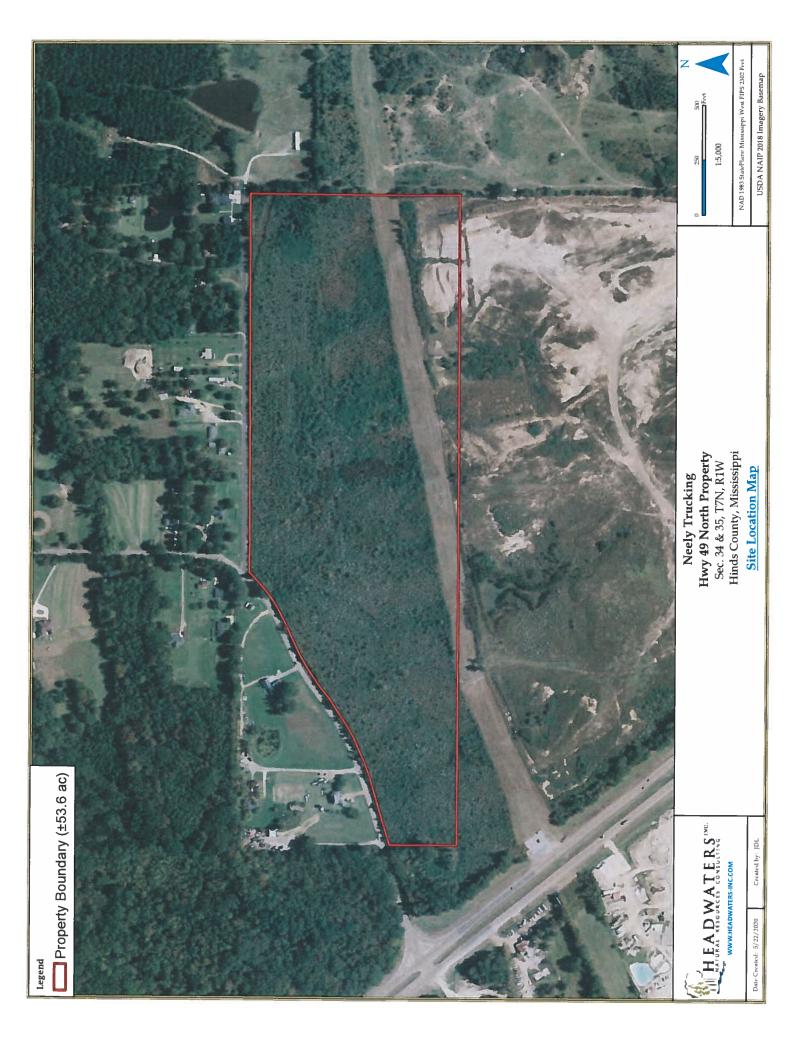
Hinds County, Mississippi - General Location Map

U.S.G.S. Pocahontas, Mississippi Quadrangle Map

USDA NAIP 2018 Aerial Photograph

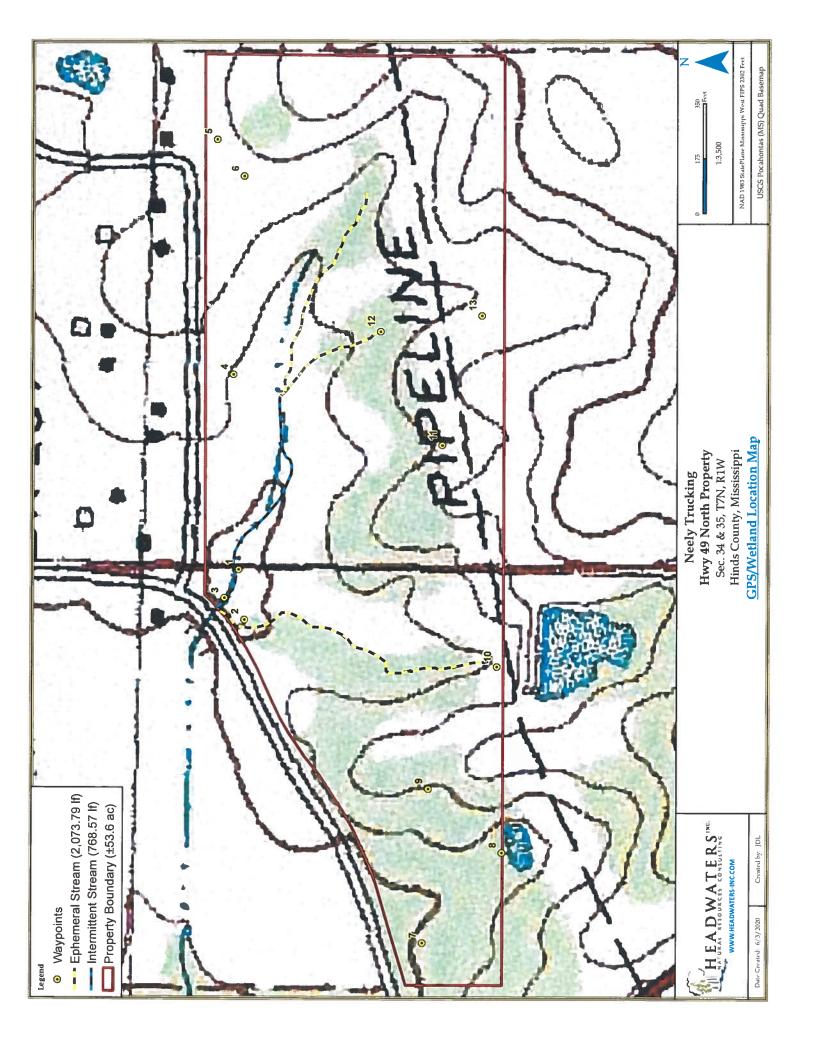


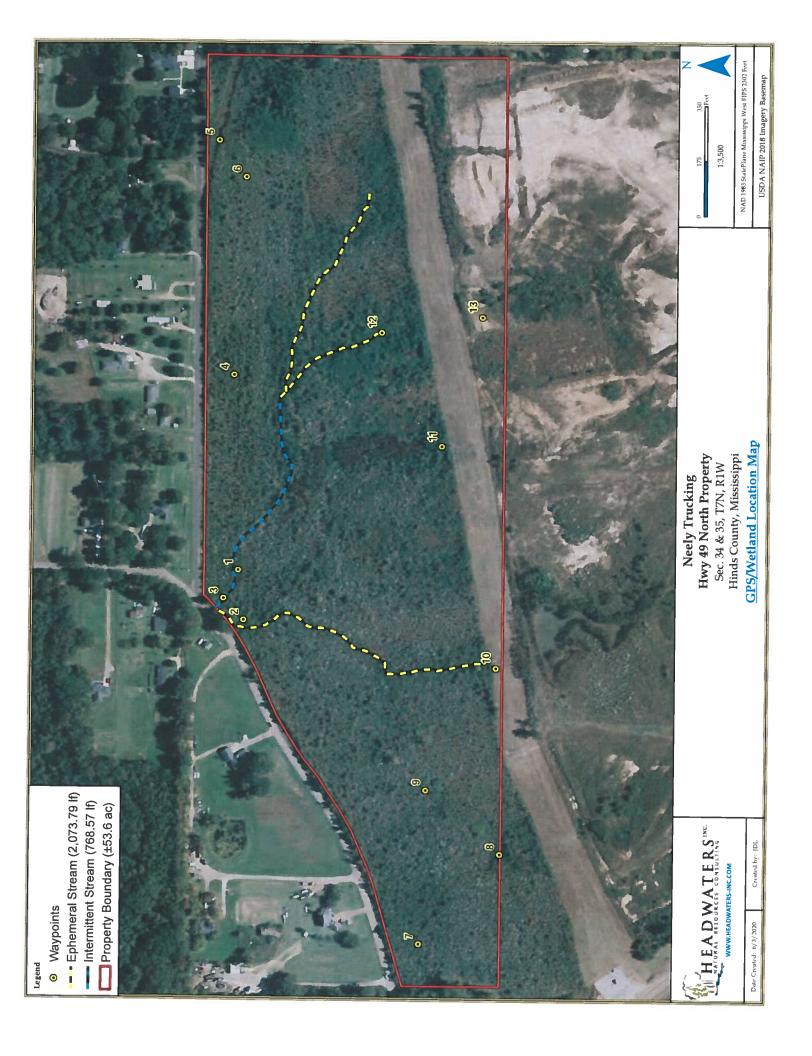




Attachment II

U.S.G.S. *Pocahontas, Mississippi* Quadrangle Map and USDA NAIP 2018 Aerial Photograph depicting Wetland Locations and Wetland Delineation Data Points





Attachment III

Wetland Determination Data Forms

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Highway 49 Property	City/County: Hind	s County	_ Sampling Date: _5/29/2020
Applicant/Owner: Neely Trucking		State: MS	_ Sampling Point: 1
Investigator(s): Headwaters, Inc.			
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): MLRA 134 Lat: 32.4			
Soil Map Unit Name: Re - Riedtown silt loam		NWI classifi	
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes X	lo (If no, explain in I	Remarks.)
Are Vegetation, Soil, or Hydrology significan	tly disturbed?	Are "Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology naturally		If needed, explain any answ	
SUMMARY OF FINDINGS – Attach site map showing		nt locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Point taken on an intermittent channel. Uplan	within a We		No <u>X</u>
	·		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	cators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	<i>y</i>)		il Cracks (B6)
Surface Water (A1) Aquatic Fauna (B	-	 =	egetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B	15) (LRR U)	Drainage Pa	atterns (B10)
Saturation (A3) Hydrogen Sulfide	Odor (C1)	Moss Trim L	Lines (B16)
Water Marks (B1) — Oxidized Rhizos	pheres along Living R	oots (C3) 🔲 Dry-Season	Water Table (C2)
Sediment Deposits (B2)	` '	☐ Crayfish Bu	` '
	uction in Tilled Soils (· =	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)			c Position (D2)
☐ Iron Deposits (B5) ☐ Other (Explain in	Remarks)	☐ Shallow Aqu	, ,
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)		FAC-Neutra	moss (D8) (LRR T, U)
Field Observations:		Spriagrium	moss (Do) (ERR 1, 0)
Surface Water Present? Yes No Depth (inche	ee).		
Water Table Present? Yes No Depth (inches	l l		
Saturation Present? Yes No Depth (inches		Wetland Hydrology Prese	ent? Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspect	ions), if available:	
Remarks:			
Normand.			

EGETATION (Four Strata) – Use scientific na	<u>·</u>	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 0.10 ac)	% Cover	Species?	Status	Number of Dominant Species
				That Are OBL, FACW, or FAC: (/
•				Total Number of Dominant
				Species Across All Strata: (I
·				Percent of Dominant Species That Are OBL, FACW, or FAC: NaN (/
3.				
				Prevalence Index worksheet:
l				Total % Cover of: Multiply by:
	0	= Total Co	ver	OBL species x 1 = 0
50% of total cover: 0	20% of	total cover	·: <u>0</u>	FACW species x 2 = 0
Sapling/Shrub Stratum (Plot size: 0.10 ac)				FAC species $x = 3 = 0$
Baccharis halimifolia	_ 10	<u>N</u>	FAC	FACU species $x = 4 = 0$
Pinus taeda		<u>Y</u>	FAC	UPL species $x = 5 = 0$
Triadica sebifera	10	N	FAC	Column Totals: 0 (A) 0
Quercus nigra	5	N	FAC	Prevalence Index = B/A = NaN
Liquidambar styraciflua	20	Y	FAC	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0¹
	65	= Total Co	/er	
	20% of	total cover	: 13	
Herb Stratum (Plot size: 0.10 ac) Rubus argutus				Problematic Hydrophytic Vegetation' (Explain) 1Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
lerb Stratum (Plot size: 0.10 ac) Rubus argutus Solidago spp.	20% of 25 15	total cover	FAC FAC	¹ Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Herb Stratum (Plot size: 0.10 ac) Rubus argutus Solidago spp.	25 15	Y Y	FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless.
Herb Stratum (Plot size: 0.10 ac) Rubus argutus Solidago spp.	25 15	Y Y	FAC FAC	Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm.)
Rubus argutus Solidago spp.	25 15	Y Y	FAC FAC	Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let
Rubus argutus Solidago spp.	25 15	Y Y	FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless.
Rubus argutus Solidago spp.	25 15	Y Y	FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lethan 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless.
Rubus argutus Solidago spp.	25 15	Y Y	FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lethan 3 in. DBH and greater than 3.28 ft (1 m) tall.
Rubus argutus Solidago spp.	20% of	Y Y	FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft
Rubus argutus Solidago spp. 0.10 ac) Rubus argutus O. 1.	20% of	Y Y	FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.
lerb Stratum (Plot size: 0.10 ac) Rubus argutus Solidago spp.	25 15	Y Y	FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft
lerb Stratum (Plot size: 0.10 ac) Rubus argutus Solidago spp.	25 15 15	Y Y	FAC FAC FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft
Rubus argutus Solidago spp.	25 15	Y Y	FAC FAC FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft
Herb Stratum (Plot size: 0.10 ac) Rubus argutus Solidago spp. 3. 3. 4. 5. 6. 7. 7. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	25 15 15 15 14 16 16 16 16 16 16 16 16 16 16 16 16 16	Y Y T Total Cover total cover	FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft
Rubus argutus Solidago spp. 3. 3. 4. 5. 6. 7. 7. 8. 9. 1. 2. 50% of total cover: 20 Noody Vine Stratum (Plot size: 0.10 ac) Toxicodendron radicans	25 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Y Y Total Cover	FAC FAC FAC FAC FAC FAC FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft
Rubus argutus Solidago spp. Bubus argutus So	25 15 15 40 20% of 25 15 15	Y Y T T T T T T T T T T T T	FAC FAC FAC FAC FAC FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft
Rubus argutus Solidago spp. 3. 3. 3. 4. 5. 5. 6. 7. 7. 7. 8. 8. 9. 9. 1. 2. 50% of total cover: 20 Voody Vine Stratum (Plot size: 0.10 ac) Toxicodendron radicans Campsis radicans Parthenocissus quinquefolia	25 15 25 15 25	Y Y Total Cover	FAC FAC FAC FAC FAC FAC FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft
Rubus argutus Solidago spp. Solidag	25 15 25 15 25	Y Y T T T T T T T T T T T T	FAC FAC FAC FAC FAC FAC FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft
Herb Stratum (Plot size: 0.10 ac) Rubus argutus Solidago spp. 3. 3. 4. 5. 6. 7. 8. 9. 10. 11.	25 15 25 15 25 15 25 15 25 15 15 15 15 15 15 15 15 15 15 15 15 15	Y Y Total Cover Total Cover Y Y Y Total Cover Y Y Y Y Y	FAC FAC FAC FAC FAC FAC FAC FAC FAC FACU	¹Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lethan 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft height.
Rubus argutus Solidago spp. Solidag	25 15 15 25 15 25 65	Total Cover	FAC	¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft height.

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Sampling Point: 1

	Matrix Color_(moist)	%	Color (moist)	%Type1	Loc²	Texture	Por	marks
nches) -12	10YR 5/4	100	Color (moist)			<u>lexture</u>	1701	Ilaina
	10111011							
								·
ne: C=C(ncentration D=De	nletion PM=F	Reduced Matrix, MS	=Macked Sand G	aine -	2l ocation:	PL=Pore Lining, N	1=Matrix
			RRs, unless other		airis.		for Problematic I	
Histosol		oable to all L	_	low Surface (S8) (I	DD C T IIV		uck (A9) (LRR O)	-
	oipedon (A2)		-	rface (S9) (LRR S,			uck (A9) (LRR S)	
Black His			Commence of the Commence of th	Mineral (F1) (LRI				, utside MLRA 150A
	n Sulfide (A4)		Loamy Gleyer		(0)		100	s (F19) (LRR P, S,
	Layers (A5)		Depleted Mati				lous Bright Loamy	
	Bodies (A6) (LRR I	D T IIV	Redox Dark S	` '			A 153B)	30113 (1 20)
_	cky Mineral (A7) (L		=	k Surface (F7)		1 1 '	rent Material (TF2)\
	esence (A8) (LRR		Redox Depres				nallow Dark Surfa	
	ick (A9) (LRR P, T)	•	Mari (F10) (Li				Explain in Remark	
	d Below Dark Surfa			rric (F11) (MLRA 1	51)	L Outer (Explain in Nemal	,
	ark Surface (A12)	ce (ATT)		ese Masses (F12)		³ Indic	ators of hydrophyt	ic vegetation and
	rairie Redox (A16) ((MI DA 150A)		ce (F13) (LRR P, 1		•	and hydrology mu	-
	lucky Mineral (S1)		_	(F17) (MLRA 151)	, 0)		ess disturbed or pr	•
	sleyed Matrix (S4)	(LIKIT O, O)		tic (F18) (MLRA 1	ΩΔ 150R)	dillo	os distarbed or pr	obiemado.
	edox (S5)			odplain Soils (F19)		Δ١		
	Matrix (S6)			right Loamy Soils (153D)	
	rface (S7) (LRR P,	S T III	Allomaious Di	right Loamy Cons (1 ZU) (MEIKA	(1437, 1330,	1000)	
	_ayer (if observed)							
	-ayer (ii observed)	,.						
Туре:			_				D	No X
D						Hydric Soil	Present? Yes_	No <u>^</u>
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Depth (inc	ches):							
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WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Highway 49 Property	City/County: Hind	ls County	Sampling Date: 5/29/2020
Applicant/Owner: Neely Trucking		State: MS	Sampling Point: 2
	Section, Township		
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): MLRA 134	Lat: 32.409700	Long: -90.278738	Datum: WGS84
Soil Map Unit Name: Re - Riedtown silt loam		NWI classific	
Are climatic / hydrologic conditions on the site typical for			
Are Vegetation, Soil, or Hydrology	•		,
Are Vegetation, Soil, or Hydrology			
SUMMARY OF FINDINGS - Attach site ma	p showing sampling poi	nt locations, transects	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	No Is the Sam within a W		No X
Data point taken on the bank of an ep	hemeral stream chan	nel. No water in the	channel.
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; check a	ill that apply)	Surface Soil (Cracks (B6)
Surface Water (A1)	tic Fauna (B13)	☐ Sparsely Veg	etated Concave Surface (B8)
High Water Table (A2)	Deposits (B15) (LRR U)	Drainage Pat	terns (B10)
Saturation (A3)	ogen Sulfide Odor (C1)	Moss Trim Lir	nes (B16)
☐ Water Marks (B1) ☐ Oxidiz	zed Rhizospheres along Living F	Roots (C3) 🔲 Dry-Season V	Vater Table (C2)
Sediment Deposits (B2)	ence of Reduced Iron (C4)	Crayfish Burr	ows (C8)
Drift Deposits (B3)	nt Iron Reduction in Tilled Soils ((C6) Saturation Vis	sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Muck Surface (C7)	Geomorphic I	Position (D2)
Iron Deposits (B5)	(Explain in Remarks)	☐ Shallow Aquit	ard (D3)
Inundation Visible on Aerial Imagery (B7)		FAC-Neutral	Test (D5)
Water-Stained Leaves (B9)		☐ Sphagnum m	oss (D8) (LRR T, U)
Field Observations:			
Surface Water Present? Yes No [Pepth (inches):		
Water Table Present? Yes No [epth (inches):		
	Depth (inches):	Wetland Hydrology Present	? Yes No X
Describe Recorded Data (stream gauge, monitoring well	I, aerial photos, previous inspec	tions), if available:	
Demonstra			
Remarks:			

VEGETATION	(Four Strata)	- Use scientific	names of plants.
AFORIVION	ii oui otiata		Harries of Diants.

/EGETATION (Four Strata) – Use scientific na	anies or pr	ants.		Sampling Point: 2
T. 01 1 10 10 20		Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: 0.10 ac) 1. Liquidamabr styraciflua	<u>% Cover</u> 5	Species?	Status FAC	Number of Dominant Species
	- 5	<u>'</u>	FAC	That Are OBL, FACW, or FAC: (A)
2. Quercus nigra				Total Number of Dominant
3. Albizia julibrissin		<u>Y</u>	NI	Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: NaN (A/B)
6				Prevalence Index worksheet:
7				
8				Total % Cover of: Multiply by:
	15	= Total Cov	ег	OBL species x 1 = 0
50% of total cover: 7.5	20% of	total cover	3	FACW species x 2 = 0
Sapling/Shrub Stratum (Plot size: 0.10 ac)				FAC species x 3 = 0
1. Sassafras albidum	10	N	FACU	FACU species $x = 4 = 0$
2. Ulmus americana	10	N	FAC	UPL species x 5 = 0
3. Juniperus virginiana	10	N	FACU	Column Totals: 0 (A) 0 (B)
4. Liquidambar styraciflua	15	Y	FAC	Prevalence Index = B/A = NaN
5. Quercus nigra	10	N	FAC	Hydrophytic Vegetation Indicators:
6. Albizia julibrissin	10	N	NI	
7. Pinus taeda	15	Υ	FAC	1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
0	80	= Total Cov		☐ 3 - Prevalence Index is ≤3.01
50% of total cover: 40				Problematic Hydrophytic Vegetation ¹ (Explain)
· · · · · · · · · · · · · · · · · · ·	20% 01	total cover		
Herb Stratum (Plot size: 0.10 ac) 1 Rubus argutus	25	Υ	FAC	¹ Indicators of hydric soil and wetland hydrology must
··				be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6				Sapling/Shrub - Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12.				
	25	= Total Cov	er	
50% of total cover: 12.5		total cover:		
Woody Vine Stratum (Plot size: 0.10 ac)				
1. Parthenocissus quinquefolia	15	Υ	FACU	
2. Campsis radicans	15	Y	FAC	
3. Toxicodendron radicans	15	Y	FAC	
		-	170	
4				
5				Hydrophytic
				Vegetation Present? Yes X No
50% of total cover: 22.5	20% of	total cover:	9	Plesell! les No
50% of total cover: 22.5 Remarks: (If observed, list morphological adaptations below	20% of	= Total Cov total cover:		Vegetation

_	-	
C	$\boldsymbol{\cap}$	
•		

Sampling Point: 2

Profile Des	cription: (Describe	e to the dept	h needed to docu	ment the	indicator	or confirm	the absence of in	dicators.)	
Depth	Matrix		Rede	ox Feature	s	. 3	<u>.</u> .		
(inches)	Color (moist)		Color (moist)	%	Type ¹	_Loc ²	Texture	Remark	IS.
0-12	10YR 5/4	100	<u></u>	_					
]									_
								_	
	oncentration, D=De					ains.		Pore Lining, M=M	
Hydric Soil	Indicators: (Appli	cable to all L	RRs, unless othe	rwise not	ed.)		Indicators for F	roblematic Hydi	ric Soils³:
Histosol			Polyvalue B				l) 📙 1 cm Muck	(A9) (LRR O)	
	pipedon (A2)		Thin Dark S					(A10) (LRR S)	
	istic (A3)		Loamy Muck			(O S			le MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley		(F2)				19) (LRR P, S, T)
Transport of the Control of the Cont	d Layers (A5)		Depleted Ma					Bright Loamy Soi	ls (F20)
	Bodies (A6) (LRR	•	Redox Dark				(MLRA 15	,	
	ucky Mineral (A7) (L		Depleted Da					Material (TF2)	
	esence (A8) (LRR	•	Redox Depr		8)			w Dark Surface (1	F12)
	ick (A9) (LRR P, T)		Mari (F10) (I		(88) 5 4	=4.	U Other (Expl	ain in Remarks)	
	d Below Dark Surfa ark Surface (A12)	ce (ATT)	Depleted Oc				T) 314:4	-6	
	rairie Redox (A16) (MI DA 150A	Iron-Mangar		, , ,		•	of hydrophytic ve	- 1
	fucky Mineral (S1)		Umbric Surfa			, 0)		nydrology must be sturbed or proble	· I
	Gleyed Matrix (S4)	(EIKIK 0, 3)	Reduced Ve			:0A 150B)		sturbed of proble	illatic.
	Redox (S5)		Piedmont Fl						
	Matrix (S6)						a 149A, 153C, 153	2)	
	rface (S7) (LRR P,	S. T. U)	/ Wildingload (ongni coa	iny cons (LO) (INILIA	A 140A, 1000, 100	<i>3</i> ,	
	Layer (if observed				5				
Type:									
• • • • • • • • • • • • • • • • • • •	ches):		_						No X
	Liles)	· .					Hydric Soil Pres	ent? Yes	NO
Remarks:									
	,								
									161
									İ

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Highway 49 Pr	operty	City/County: Hinds County Sampling Date: 5/29/2			Sampling Date: 5/29/2020	
Applicant/Owner: Neely Truc	cking	State: MS Sampling Point:			Sampling Point: 4	
Investigator(s): Headwaters		Section, Township, Range: S35 - T7N - R1W				
Landform (hillslope, terrace, et					Slope (%):	
Subregion (LRR or MLRA): M	LRA 134	lat: 32.409797	Long:	-90.276216	Datum: WGS84	
Soil Map Unit Name: LoC3 -	Loring silt loam, 5 to	8 percent slopes, se	everely eroded	NWI classific	ation: N/A	
Are climatic / hydrologic condit	ions on the site typical	for this time of year? Y	es X No	(If no. explain in R	emarks.)	
Are Vegetation, Soil				•	,	
Are Vegetation, Soil						
					, important features, etc.	
				<u> </u>		
Hydrophytic Vegetation Prese Hydric Soil Present?	ent? Yes	No	Is the Sampled Area			
Wetland Hydrology Present?	Yes	No X No X	within a Wetland?	Yes	No X	
Remarks:	103					
HYDROLOGY						
Wetland Hydrology Indicato				Secondary Indicat	ors (minimum of two required)	
Primary Indicators (minimum				Surface Soil (Cracks (B6)	
Surface Water (A1)		quatic Fauna (B13)			etated Concave Surface (B8)	
High Water Table (A2)		arl Deposits (B15) (LRR	•	Drainage Pati		
Saturation (A3) Water Marks (B1)		ydrogen Sulfide Odor (C	•	Moss Trim Lir		
Sediment Deposits (B2)		xidized Rhizospheres al esence of Reduced Iror			Vater Table (C2)	
Drift Deposits (B3)		ecent Iron Reduction in		Crayfish Burro	sible on Aerial Imagery (C9)	
Algal Mat or Crust (B4)		nin Muck Surface (C7)	111100 00113 (00)	Geomorphic F		
Iron Deposits (B5)		ther (Explain in Remark	s)	☐ Shallow Aquit	` ′	
Inundation Visible on Aer			,	FAC-Neutral		
Water-Stained Leaves (B	9)			Sphagnum m	oss (D8) (LRR T, U)	
Field Observations:						
Surface Water Present?	Yes No	_ , , ,				
Water Table Present?	Yes No	_ Depth (inches):				
Saturation Present? (includes capillary fringe)		Depth (inches):		lydrology Present	? Yes No X	
Describe Recorded Data (stre	am gauge, monitoring	well, aerial photos, prev	vious inspections), if ava	ilable:		
Remarks:						

EGETATION (Four Strata) – Use scientific na		Dominant	Indicator	Sampling Point: 4 Dominance Test worksheet:
ree Stratum (Plot size: 0.10 ac)		Species?		Number of Dominant Species
				That Are OBL, FACW, or FAC: (A)
				Total Number of Dominant
				Species Across All Strata: (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: NaN (A/
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
		= Total Cov		OBL species x 1 = 0
50% of total cover: 0				FACW species x 2 = 0
apling/Shrub Stratum (Plot size: 0.10 ac)	20 /6 01	i total cover		FAC species x 3 = 0
Albizia julibrissin	10	N	NI	FACU species x 4 = _0
Pinus taeda	15	\overline{Y}	FAC	UPL species x 5 =
Ulmus alata	10	N	FACU	Column Totals: 0 (A) 0 (E
Liquidambar styraciflua	20	Y	FAC	Browlerge Index - B/A - NaN
Ligustrum sinense	10	N	FAC	Prevalence Index = B/A = NaN
Triadica sebifera	10	N	FAC	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
				☐ 3 - Prevalence Index is ≤3.0¹
		= Total Cov	er	
50% of total cover: 37.5				Problematic Hydrophytic Vegetation ¹ (Explain)
erb Stratum (Plot size: 0.10 ac)				¹ Indicators of hydric soil and wetland hydrology must
Rubus argutus	15	Υ	FAC	be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
				Trans Manda plants avaluation visco 2 in (7.6 am)
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless
				height.
				Sapling/Shrub – Woody plants, excluding vines, les
				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
				Herb – All herbaceous (non-woody) plants, regardles
				of size, and woody plants less than 3.28 ft tall.
)				Woody vine – All woody vines greater than 3.28 ft in
				height.
	15	= Total Cov	er	
50% of total cover: <u>7.5</u>	20% of	total cover:	3	
oody Vine Stratum (Plot size: 0.10 ac)				
Toxicodendron radicans	15	Υ	FAC	
Parthenocissus quinquefolia	5	Υ	FACU	
Campsis radicans	5	Υ	FAC	
				Hydrophytic
	25	= Total Cov	er	Vegetation
50% of total cover: 12.5		total cover:		Present? Yes X No
emarks: (If observed, list morphological adaptations belo				

Sampling Point: 4

Profile Des	cription: (Describe	to the depti	n needed to docu	ment the	indicator o	r confirm	the absence of	indicators.)	
Depth	Matrix		Red	ox Feature		. 3			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	<u>Texture</u>	Rem	arks
0-12	10YR 5/3	<u>85</u>	10YR 4/6	15			silt loam		
			 .						
·									
	oncentration, D=Dep					ns		_=Pore Lining, M=	
Hydric Soil	Indicators: (Applic	able to all L	RRs, unless other	erwise not	ed.)		Indicators for	r Problematic Hy	dric Soils³:
Histosol			Polyvalue B) 📙 1 cm Muc	k (A9) (LRR O)	
	pipedon (A2)		Thin Dark S				2 cm Muc	k (A10) (LRR S)	
Black H	istic (A3)		Loamy Mucl	ky Mineral	(F1) (LRR C	D)	Reduced	Vertic (F18) (out	side MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley	ed Matrix ((F2)				(F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma					us Bright Loamy S	Soils (F20)
	Bodies (A6) (LRR F		Redox Dark				(MLRA	•	
	ıcky Mineral (A7) (L		Depleted Da					nt Material (TF2)	
	esence (A8) (LRR L	J)	Redox Depr		8)			llow Dark Surface	
	ick (A9) (LRR P, T)		Marl (F10) (I				U Other (Ex	plain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted Oc		-	-	,		
	ark Surface (A12)		Iron-Mangar					ors of hydrophytic	
	rairie Redox (A16) (I					١)		d hydrology must	
	Mucky Mineral (S1) (I	LKK O, S)	Delta Ochric				uniess	disturbed or prot	plematic.
	Bleyed Matrix (S4)		Reduced Ve						
	Redox (S5)		Piedmont Fl						
	Matrix (S6) rface (S7) (LRR P, S	S T 11)	Anomaious i	Bright Loar	my Soils (F2	O) (NILRA	A 149A, 153C, 15	53D)	
	_ayer (if observed):								
	-ayer (ii observeu).	•							
		_	_						V
Depth (inc	ches):						Hydric Soil Pre	esent? Yes	No X
Remarks:									
									1

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Highway 49 Property	City/County:	Hinds County	Sampling Date: 5/29/2020
Applicant/Owner: Neely Trucking		State: MS	Sampling Point: 5
	Section, To		
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): MLRA 134	1 at: 32.409940	Lang90.273788	Slope (%)
Soil Map Unit Name: LoB2 - Loring silt loa	m, 2 to 5 percent slopes, eroded	Edilg NWI class	sification: N/A
Are climatic / hydrologic conditions on the site	typical for this time of year? Yes X	No (If no, explain in	n Remarks.)
Are Vegetation, Soil, or Hydro			s" present? Yes No
Are Vegetation, Soil, or Hydro		(If needed, explain any ans	
SUMMARY OF FINDINGS - Attach	ı site map showing samplin		
	ls the within	Sampled Area	No <u>X</u>
HYDROLOGY			
Wetland Hydrology Indicators:		Connection	·
Primary Indicators (minimum of one is requir	ed: check all that apply)		icators (minimum of two required)
Surface Water (A1)	Aquatic Fauna (B13)		oil Cracks (B6)
High Water Table (A2)	Marl Deposits (B15) (LRR U)		/egetated Concave Surface (B8) Patterns (B10)
Saturation (A3)	Hydrogen Sulfide Odor (C1)		Lines (B16)
Water Marks (B1)	Oxidized Rhizospheres along Li		n Water Table (C2)
Sediment Deposits (B2)	Presence of Reduced Iron (C4)		urrows (C8)
Drift Deposits (B3)	Recent Iron Reduction in Tilled		Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)		ic Position (D2)
Iron Deposits (B5)	U Other (Explain in Remarks)	☐ Shallow Ad	quitard (D3)
Inundation Visible on Aerial Imagery (B7)	FAC-Neutr	ral Test (D5)
Water-Stained Leaves (B9)		☐ Sphagnum	n moss (D8) (LRR T, U)
Field Observations:			
	lo Depth (inches):	_	
	lo Depth (inches):		
(includes capillary fringe)	lo Depth (inches):	, ,	ent? Yes No X
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous in	spections), if available:	
Remarks:			

VEGETATION (Four Strata) – Use scientific na	mes of pl	ants.		Sampling Point: 5
T 0: 1 (0: 1. 0.10 ac		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 0.10 ac)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species That Are ORL FACW or FAC: NaN (A/R)
56				That Are OBL, FACW, or FAC: NAN (A/B)
7				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
	•	= Total Cov	er	OBL species x 1 = 0
50% of total cover: 0				FACW species x 2 = 0
Sapling/Shrub Stratum (Plot size: 0.10 ac)				FAC species x 3 = 0
1. Albizia julibrissin	5	N	NI	FACU species $x = 4 = 0$
2. Quercus nigra	5	N	FAC	UPL species x 5 = 0
3. Ulmus americana	10	Υ	FAC	Column Totals: 0 (A) 0 (B)
4. Liquidamabr stryaciflua	10	Υ	FAC	Prevalence Index = B/A = NaN
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.0¹
	30	= Total Cov	er er	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 15	20% of	total cover	6	<u></u>
Herb Stratum (Plot size: 0.10 ac)				¹ Indicators of hydric soil and wetland hydrology must
1. Eupatorium capillifolium	5	<u>N</u>	FACU	be present, unless disturbed or problematic.
2. Solidago gigantea	10	<u>N</u>	FACW	Definitions of Four Vegetation Strata:
3. Rubus argutus	15	<u>Y</u>	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Andropogon virginicus	5	<u>N</u>	FAC	more in diameter at breast height (DBH), regardless of
5. Saccharum giganteum	5	<u>N</u>	FACW	height.
6. Juncus tenuis	25	<u>Y</u>	FAC	Sapling/Shrub - Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine All woody vines greater than 3.28 ft in
11				height.
12				
20.5		= Total Cov		
50% of total cover: 32.5	20% of	total cover:	13	
Woody Vine Stratum (Plot size: 0.10 ac)				
1				
2				
3				
4				
5	0			Hydrophytic
500, 1, 1, 0		= Total Cov	_	Vegetation Present? Yes X No
	20% of	total cover:		
Remarks: (If observed, list morphological adaptations belo	W).			

Sampling Point: 5

1	cription: (Describe	to the depth				onfirm	the absence of i	ndicators.)	
Depth (inches)	Matrix Color (moist)		Red	ox Feature	S	2	Tanto		
(inches) 0-12	10YR 5/3		Color (moist) 7.5YR 4/6	%	Type ¹ L	oc²	Texture	Remar	KS
0-12	10113	90	7.518 4/6	10	· — —		silt loam		
						—			
¹ Type: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, M	S=Masked	d Sand Grains.		² Location: PL:	=Pore Lining, M=N	/latrix.
Hydric Soil	Indicators: (Applic	able to all L	RRs, unless othe	erwise not	ed.)			Problematic Hyd	
. Histoso	(A1)		☐ Polyvalue B	elow Surfa	ce (S8) (LRR	S, T, U)	1 cm Muck	(A9) (LRR O)	
Histic E	pipedon (A2)) (LRR S, T, U			(A10) (LRR S)	
	istic (A3)				(F1) (LRR O)		Reduced \	/ertic (F18) (outsi	de MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley		(F2)		Piedmont i	Floodplain Soils (F	19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma	,				s Bright Loamy So	oils (F20)
	Bodies (A6) (LRR F		Redox Dark				(MLRA 1		
	ucky Mineral (A7) (L resence (A8) (LRR (Depleted Da					t Material (TF2)	TE40\
	ick (A9) (LRR P, T)	וי	Redox Depr		8)			ow Dark Surface (Ilain in Remarks)	TF12)
	d Below Dark Surfac	ce (A11)		-	(MLRA 151)		Other (Exp	nam in Remarks)	
=	ark Surface (A12)	,			es (F12) (LRR	O. P. T	n) ³ Indicator	s of hydrophytic v	egetation and
Coast P	rairie Redox (A16) (MLRA 150A)			(LRR P, T, U)	-,-,-		hydrology must b	•
Sandy N	lucky Mineral (S1) (LRR O, S)	Delta Ochric	(F17) (ML	RA 151)			disturbed or proble	
	Bleyed Matrix (S4)		Reduced Ve	rtic (F18) (MLRA 150A,	150B)			
	Redox (S5)				oils (F19) (ML				
	Matrix (S6)		☐ Anomalous	Bright Loar	my Soils (F20)	(MLRA	149A, 153C, 15	3D)	
	rface (S7) (LRR P, S								
	Layer (II observed)								
Type:			_						~
Depth (in	cnes):						Hydric Soil Pre	sent? Yes	No X
Remarks:									
									1
									ļ
					ř.				

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Highway 49 Property	City/County:	linds County	Sampling Date: 5/29/2020		
Applicant/Owner: Neely Trucking		State: MS			
nvestigator(s): Headwaters, Inc. Section, Township, Range: S35 - T7N - R1W					
Landform (hillslope, terrace, etc.):					
Subregion (LRR or MLRA): MLRA 134					
Soil Map Unit Name: LoB2 - Loring silt loam	, 2 to 5 percent slopes, eroded	NWI class	ification: N/A		
Are climatic / hydrologic conditions on the site ty	vpical for this time of year? Yes X	No (If no, explain in	Remarks.)		
Are Vegetation, Soil, or Hydrolog	gy significantly disturbed?	Are "Normal Circumstances	" present? Yes No		
Are Vegetation, Soil, or Hydrolog	gy naturally problematic?	(If needed, explain any ansy	wers in Remarks.)		
SUMMARY OF FINDINGS – Attach		point locations, transec	ts, important features, etc.		
Hydrophytic Vegetation Present? Yes	X No is the S				
Hydric Soil Present? Yes	No X Is the S	Sampled Area	X		
Wetland Hydrology Present? Yes	No X within	a Wetland? Yes	No X		
Remarks:					
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indi	cators (minimum of two required)		
Primary Indicators (minimum of one is required	t check all that anniv		bil Cracks (B6)		
Surface Water (A1)	Aquatic Fauna (B13)		regetated Concave Surface (B8)		
High Water Table (A2)	Marl Deposits (B15) (LRR U)		Patterns (B10)		
Saturation (A3)	Hydrogen Sulfide Odor (C1)		Lines (B16)		
Water Marks (B1)	Oxidized Rhizospheres along Livi		n Water Table (C2)		
Sediment Deposits (B2)	Presence of Reduced Iron (C4)		urrows (C8)		
Drift Deposits (B3)	Recent Iron Reduction in Tilled So		Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Thin Muck Surface (C7)				
Iron Deposits (B5)	Other (Explain in Remarks)	Geomorphic Position (D2) Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)	E cine (Explain in remaine)	FAC-Neutral Test (D5)			
Water-Stained Leaves (B9)		Sphagnum moss (D8) (LRR T, U)			
Field Observations:					
Surface Water Present? Yes No	Depth (inches):	_			
Water Table Present? Yes No	Depth (inches):				
Saturation Present? Yes No	Depth (inches):	I	ent? Yes No X		
(includes capillary fringe) Describe Recorded Data (stream gauge, moni	toring well, aerial photos, previous ins	pections), if available:			
Remarks:					
i					

EGETATION (Four Strata) – Use scientific na			4 42 :	Sampling Point: 6
ree Stratum (Plot size: 0.10 ac)		Dominant Species?		Dominance Test worksheet:
(lot of the control				Number of Dominant Species That Are OBL, FACW, or FAC: (A
				Total Number of Dominant
				Species Across All Strata: (B
				Percent of Dominant Species
-				That Are OBL, FACW, or FAC: NaN (A
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
		= Total Cov		OBL species x 1 =
500/ -54-4-1 0				FACW species x 2 =0
50% of total cover: 0	20% of	total cover	:	FAC species x 3 =
apling/Shrub Stratum (Plot size: 0.10 ac) Liquidambar styraciflua	20	V	EAC	FACU species x 4 = 0
	_ 20	<u>Y</u>	FAC	UPL species x 5 = 0
Pinus taeda	_ 25	<u>Y</u>	FAC	Column Totals: 0 (A) 0 (I
Juniperus virginiana	_ 5	N	FACU	Column Totals (A)
Ulmus alata		<u>N</u>	FACU	Prevalence Index = B/A = NaN
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0¹
	55	= Total Cov	/er	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 27.5	20% of	total cover	. 11	
		10101 00101	. ———	
				¹ Indicators of hydric soil and wetland hydrology mus
Rubus argutus	15	<u>Y</u>	FAC	¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.
Rubus argutus	15	<u>Y</u>	FAC	
Rubus argutus		Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Rubus argutus	15	<u>Y</u>	FAC	be present, unless disturbed or problematic.
Rubus argutus	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
Rubus argutus	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height.
Rubus argutus	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless
Rubus argutus	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Rubus argutus	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle
Rubus argutus	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.
Rubus argutus	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Rubus argutus	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.
Rubus argutus	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Rubus argutus O. O.	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Rubus argutus D	15	Y	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Rubus argutus		= Total Cov	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Rubus argutus D	15	= Total Cov	FAC FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Rubus argutus D. 1. 2. 50% of total cover: 7.5 Goody Vine Stratum (Plot size: 0.10 ac) Toxicodendron radicans Parthenocissus quinquefolia	15 15 20% of 15 15	= Total Covertotal covers	FAC FACU	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Rubus argutus D	15	= Total Cov	FAC FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Rubus argutus	15 15 20% of 15 15	= Total Covertotal covers	FAC FACU	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
Rubus argutus Control of total cover: 7.5 Coody Vine Stratum (Plot size: 0.10 ac) Toxicodendron radicans Parthenocissus quinquefolia Campsis radicans	15 15 20% of 15 15 15 15	= Total Covers	FAC FACU FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
Rubus argutus O. 1.	15 15 15 15 15 45	= Total Covertotal covers	FAC FACU FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.

pe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Iric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ : Indicators for Problematic Hydric Soils (F19) (LRR O) Indicators for Problematic Hydric Soils (F19) (LRR O) Indicators for Problematic Hydric Soils (F19) (LRR P, T, U) Indicators for Problematic Hydric Soils Hydric Hydric Soils Hydric Soils Hydric Hydric Soils Hydric Hydric Soils Hydric Soils Hydric Hydric Soil Present? Yes No X Indicators for Problematic Hydric Soils Hydric Hydric Soils Hydric Hydric Soils Hydric Soil Present? Yes No X Indicators for Problematic Hydric Soils Hydric S	Depth (inches)	Matrix Color (moist)	%		ox Feature:		1 ac ²	Touture	D.	
pe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	(inches) 0-12			Color (moist)	%	Type ¹	Loc ²	Texture	Rem	iarks
Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Hydric Soil Indicators: Histosol (A2) Histosol (A2) Histosol (A3) Histosol (A2) Histosol (A3) Histosol (A3) Histosol (A3) Histosol (A3) Histosol (A3) Histosol (A3) Histosol (A2) Histosol (A1) Histosol (A2) Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A1) Histo	J-12	1011 3/3	_ 65	7.51K 4/0	_ 15			siit ioam		
Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Hydric Soil Indicators: Histosol (A2) Histosol (A2) Histosol (A3) Histosol (A2) Histosol (A3) Histosol (A3) Histosol (A3) Histosol (A3) Histosol (A3) Histosol (A3) Histosol (A2) Histosol (A1) Histosol (A2) Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A1) Histo										
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Histic Epipedon (A2) Black Histic (A3) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Crganic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Loamy Mucky Mineral (F1) (LRR O) From Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Crm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Redox (S5) Depleted Corric (F18) (MLRA 150A) Depleted Ochric (F17) (MLRA 151) Depleted Ochric (F18) (MLRA 150A) Depleted Ochric (F17) (MLRA 151) Depleted Ochric (F17) (MLRA 151) Depleted Ochric (F17) (MLRA 151) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A)	lydric Soil	Indicators: (Appl	icable to all l	RRs, unless other	erwise note	ed.)				
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Huck Presence (A8) (LRR U) Lomy Mucky Mineral (F1) (LRR U) Depleted Below Dark Surface (A1) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (A5) Sandy Redox (A5) Depleted Ochric (F17) (MLRA 150) Depleted Ochric (F17) (MLRA 150) Depleted Ochric (F17) (MLRA 151) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Depleted Ochric (F17) (MLRA 151) Piedmont Floodplain Soils (F19) (LRR P, S, Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Depleted Ochric (F17) (MLRA 151) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Princtive Layer (if observed): Type: Depth (inches): Depleted Ochric (F10) (MLRA 150) Hydric Soil Present? Yes No	Histosol	(A1)		Polyvalue B	elow Surfa	ce (S8) (LF	RR S, T, L	J) 🔲 1 cm Muck	(A9) (LRR O)	
Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Semination of Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F1) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Deta Ochric (F18) (MLRA 150A) Deta Ochric (F18) (MLRA 150A) Piedmont Floodplain Soils (F19) (LRR P, T, U) Marl (F10) (LRR U) Depleted Dark Surface (F7) Redox Depressions (F8) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes No	Histic E	oipedon (A2)								
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Frictive Layer (if observed): Depleted Matrix (F3) Depleted Matrix (F3) Redox Dark Surface (F6) Redox Dark Surface (F6) Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Depressions (F8) Depleted Dark Surface (F7) Redox Depressions (F8) Warl (F10) (LRR U) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Depleted Matrix (F3) Redox Dark Surface (F6) (MLRA 153B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (O)			
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted	_					F2)				
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Ozer Sturface (F7) Red ox Depressions (F8) Very Shallow Dark Surface (TF12) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation and Vegetation and Vegetation and Vegetation Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X					, ,					Soils (F20)
Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Depth (inches): Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jeft Alam (F13) (LRR P, T, U) Surface (F13) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Marl (F12) Wetland hydrology must be present, unless disturbed or problematic. Marl (F12) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be present, unless disturbed or problematic. Marl (F10) (MLRA 150A) Wetland hydrology must be pres								1 1 '		
1 cm Muck (A9) (LRR P, T)								71	, ,	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S6) Dark Surface (S7) (LRR P, S, T, U) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Iron-Manganese Masses (F12) (LRR						o)				
Thick Dark Surface (A12)					,	/MI RA 15	1)	Other (Exp.	iaiii iii Reiliaiks)
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type:			,	lament .		•	•	T) ³ Indicators	s of hydrophytic	vegetation and
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type:			(MLRA 150A							_
Sandy Redox (S5)							,			•
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X] Sandy G	Bleyed Matrix (S4)		Reduced Ve	ertic (F18) (MLRA 150	A, 150B)		•	
Dark Surface (S7) (LRR P, S, T, U)				Piedmont FI	oodplain S	oils (F19) (MLRA 14	9A)		
Comparison of the Content of the C				Anomalous	Bright Loan	ny Soils (F	20) (MLR	A 149A, 153C, 153	ID)	
Type:										
Depth (inches):		-ayer (if observed):							
			_							
narks:	Depth (inc	ches):						Hydric Soil Pres	sent? Yes _	No X
	emarks:									

Project/Site: Highway 49 Property	City/County: Hind	ds County	Sampling Date: <u>5/29/2020</u>
Applicant/Owner: Neely Trucking		State: MS	Sampling Point: 7
		o, Range: S34 - T7N - R1W	
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): MLRA 134 Lat:	32.408150	1 one: -90.282042	Slope (78)
Soil Map Unit Name: LoD2 - Loring silt loam, 8 to 17 percentage of the soil Map Unit Name (LoD2 - Loring silt loam, 8 to 17 percentage)	cent slopes, eroded	Long NWI classific	cation: N/A
Are climatic / hydrologic conditions on the site typical for this tir			
Are Vegetation, Soil, or Hydrology sign			present? Yes No
Are Vegetation, Soil, or Hydrology natu		(If needed, explain any answe	
SUMMARY OF FINDINGS – Attach site map sh			
Hydrophytic Vegetation Present? Yes No 2			V
Hydric Soil Present? Yes No 2 Wetland Hydrology Present? Yes No 2	within a W	etland? Yes	No X
Remarks:			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that	apply)	Surface Soil	Cracks (B6)
Surface Water (A1) Aquatic Fat		Sparsely Veg	getated Concave Surface (B8)
	its (B15) (LRR U)	☐ Drainage Pa	
	Sulfide Odor (C1)	Moss Trim Li	` '
	nizospheres along Living F		Water Table (C2)
	f Reduced Iron (C4)	Crayfish Buri	` ,
	Reduction in Tilled Soils		sible on Aerial Imagery (C9)
	Surface (C7)		Position (D2)
Iron Deposits (B5) Unundation Visible on Aerial Imagery (B7)	ain in Remarks)	☐ Shallow Aqui	,
Water-Stained Leaves (B9)		☐ FAC-Neutral	
Field Observations:			noss (D8) (LRR T, U)
Surface Water Present? Yes No Depth	(inches):		
Water Table Present? Yes No Depth			
Saturation Present? Yes No Depth		Wetland Hydrology Presen	t? Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aeri	ai pnotos, previous inspec	tions), if available:	
Remarks:			

EGETATION (Four Strata) – Use scientific n		Dominant	Indicator	Sampling Point: 7 Dominance Test worksheet:
ree Stratum (Plot size: 0.10 ac)		Species?		Number of Dominant Species
·				That Are OBL, FACW, or FAC: (A
				Total Number of Dominant
				Species Across All Strata: (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: NaN (A
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
				OBL species x 1 = 0
500/ 2542421 22222		= Total Cov		FACW species x 2 = 0
50% of total cover: 0	20% 01	r total cover	: ——	FAC species x 3 = 0
apling/Shrub Stratum (Plot size: 0.10 ac) Maclura pomifera	15	Y	FACU	FACU species x 4 =
Pinus taeda	- 15	<u>'</u>	FAC	UPL species x 5 =
Liquidambar styraciflua	15	<u>'</u>	FAC	Column Totals: 0 (A) 0 (E
Prunus serotina	10	N	FACU	
Ligustrum sinense	- 10	N	FAC	Prevalence Index = B/A = NaN
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
	65	= Total Cov		3 - Prevalence Index is ≤3.0¹
50% of total cover: <u>32.5</u>				Problematic Hydrophytic Vegetation¹ (Explain)
erb Stratum (Plot size: 0.10 ac)	20% 01	r total cover		
Chasmanthium sessiliflorum	25	Υ	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Asplenium platyneron	- 5	N	FACU	Definitions of Four Vegetation Strata:
				Definitions of Four Vegetation Strata.
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
				more in diameter at breast height (DBH), regardless height.
				Sapling/Shrub – Woody plants, excluding vines, les than 3 in. DBH and greater than 3.28 ft (1 m) tall.
				Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
0.				
1.				Woody vine – All woody vines greater than 3.28 ft in height.
2.				Height.
		= Total Cov	er	
50% of total cover: 15				
/oody Vine Stratum (Plot size: 0.10 ac)	20 % 01	total cover		
, and the state of				
	0	= Total Cov	er	Hydrophytic Vegetation
50% of total cover: 0		total cover:		Present? Yes No X
emarks: (If observed, list morphological adaptations be			·	<u> </u>
smarks. (II observed, list morphological adaptations be	1044).			

Profile Des Depth	cription: (Describe Matrix	to the dept		nent the indicator or x Features	r confirm th	ie absence o	f indicators.)		
(inches)	Color (moist)	%	Color (moist)	<u> % Type</u>	Loc²	Texture	Re	emarks	
0-12	10YR 5/4	100							
							-		
¹Type: C=C	oncentration, D=Der	oletion, RM=I	Reduced Matrix, MS	S=Masked Sand Grain	ns:		L=Pore Lining,		
	Indicators: (Applic	able to all L					or Problematic	•	
Histoso	• •			low Surface (S8) (LR			ck (A9) (LRR O	•	
-	pipedon (A2)			rface (S9) (LRR S, T,			ck (A10) (LRR		
_	istic (A3)			Mineral (F1) (LRR C)			utside MLRA 150	
_	en Sulfide (A4) d Layers (A5)		Loamy Gleye	, ,				ils (F19) (LRR P, S	S, T)
	Bodies (A6) (LRR P	T 11\	Depleted Mat				ous Bright Loam N 153B)	y Solis (F20)	
	ucky Mineral (A7) (LI			k Surface (F7)		1 ,	ent Material (TF	2)	
	resence (A8) (LRR L		Redox Depre	١ /			allow Dark Surfa		
	Jck (A9) (LRR P, T)	,	Marl (F10) (L				xplain in Remar		
	d Below Dark Surfac	e (A11)		ric (F11) (MLRA 151)		1	,	
Thick D	ark Surface (A12)			ese Masses (F12) (LF		³ Indicat	ors of hydrophy	tic vegetation and	
	rairie Redox (A16) (I			ce (F13) (LRR P, T, l	J)	wetla	nd hydrology mi	ust be present,	
	/lucky Mineral (S1) (LRR O, S)		(F17) (MLRA 151)		unles	s disturbed or p	roblematic.	
	Sleyed Matrix (S4)			tic (F18) (MLRA 150)	-				
	Redox (S5)			odplain Soils (F19) (N					
	l Matrix (S6) irface (S7) (LRR P, S	2 T II)	Anomalous B	right Loamy Soils (F2	(U) (MLRA 1	149A, 153C, 1	53D)		
	Layer (if observed)								
Type:	Layor (ii oboci vea)	•							
	ches):		_		١.	hudela Call D		N- X	
	Cries)		_			Hydric Soil P	resent? Yes	No X	
Remarks:									

Project/Site: Highway 49 Property	City/County: Hir	nds County	Sampling Date: 5/29/2020
Applicant/Owner: Neely Trucking		State: MS	
Investigator(s): Headwaters, Inc.	Section, Townsh		
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): MLRA 134	Lat: 32.407454	Long: -90.281125	Datum, WGS84
Soil Map Unit Name: LoD2 - Loring silt loam, 8 to 1	7 percent slopes, eroded	NWI classi	fication: N/A
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes X	No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology			present? Yes No
Are Vegetation, Soil, or Hydrology		(If needed, explain any answ	
SUMMARY OF FINDINGS - Attach site ma	ap showing sampling po		·
Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes X X	No within a V		No X
Point taken in a low area where a cou and cleared. A few scattered pines ar	re left.	sible. Area has recer	ntly been disturbed
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	cators (minimum of two required)
Primary Indicators (minimum of one is required; check a	all that apply)		I Cracks (B6)
	tic Fauna (B13)	Sparsely Ve	egetated Concave Surface (B8)
1 1 /1 -	Deposits (B15) (LRR U)	Drainage P	atterns (B10)
	ogen Sulfide Odor (C1)	Moss Trim I	· · ·
	zed Rhizospheres along Living		Water Table (C2)
	ence of Reduced Iron (C4)	☐ Crayfish Bu	* *
	nt Iron Reduction in Tilled Soils		/isible on Aerial Imagery (C9)
	Muck Surface (C7) (Explain in Remarks)		Position (D2)
Inundation Visible on Aerial Imagery (B7)	(Explain in Remarks)	Shallow Aqu	` '
Water-Stained Leaves (B9)		FAC-Neutra	moss (D8) (LRR T, U)
Field Observations:		Opnagnum	(DO) (ERR 1, U)
Surface Water Present? Yes No [Depth (inches):	2	
	Depth (inches):		
	Depth (inches):	Wetland Hydrology Prese	nt? Yes X No
Describe Recorded Data (stream gauge, monitoring well	I, aerial photos, previous inspec	tions), if available:	
Remarks:			
We believe the saturation is a result o	f the collection of rair	water from a recen	t rainfall event. The
area is upland.			
			İ

VEGETATION (Four Strata) – Use scientific na	illies of bi	anto.		Sampling Point: 8
7 0 10 10 10 20		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 0.10 ac) 1. Pinus taeda	% Cover 5	Species? Yes	_Status FAC	Number of Dominant Species
				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: NaN (A/B)
6				December 1 december 1
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	5	= Total Cov	/er	OBL species x 1 = 0
50% of total cover: 2.5				FACW species x 2 = 0
Sapling/Shrub Stratum (Plot size: 0.10 ac)				FAC species x 3 = 0
1. Salix nigra	5	Y	OBL	FACU species x 4 = 0
2				UPL species x 5 = 0
3.				Column Totals: 0 (A) 0 (B)
4.				NoN
5				Prevalence Index = B/A = NaN
				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	5			☐ 3 - Prevalence Index is ≤3.01
2.5	5	= Total Cov	er	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 2.5	20% of	total cover:	1	
Herb Stratum (Plot size: 0.10 ac)				¹ Indicators of hydric soil and wetland hydrology must
1. Rubus argutus			FAC	be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				
9				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12	10			
		Total Cov		
_ _	20% of	total cover:	2	
Woody Vine Stratum (Plot size: 0.10 ac)				
1				
2				
3				
3				this deamh is the
3			er	Hydrophytic Vegetation
3		Total Cov		Hydrophytic Vegetation Present? Yes X No

Depth	Matrix		Red	ment the indicator			maioatoro.,	
(inches)	Color (moist)	%	Color (moist)	%Type ¹	_Loc ²	<u>Texture</u>	Rema	rks
0-12	10YR 5/3	85	7.5YR 4/6			silt loam		
1Type: C=C	oncentration D-De	nlotion PM-	Poducod Matrix M	S=Masked Sand Gra		21	LuDan Linia AA A	(A - A - th -
Hydric Soil	Indicators: (Appli	cable to all	LRRs. unless othe	rwise noted.)	all is.		L=Pore Lining, M=I	
☐ Histoso			_	elow Surface (S8) (L	RR S. T. U)		ck (A9) (LRR O)	
	pipedon (A2)			urface (S9) (LRR S,			ck (A10) (LRR S)	
	istic (A3)			ky Mineral (F1) (LRR	(O)			ide MLRA 150A,B)
	en Sulfide (A4)			ed Matrix (F2)				=19) (LRR P, S, T)
	d Layers (A5) Bodies (A6) (LRR :	P T IN	Depleted Ma	atrix (F3) Surface (F6)		Anomalo	us Bright Loamy So	oils (F20)
	icky Mineral (A7) (L			rk Surface (F7)			ent Material (TF2)	
	esence (A8) (LRR		Redox Depr				llow Dark Surface ((TF12)
	ick (A9) (LRR P, T)		Marl (F10) (I	•		Uther (Ex	plain in Remarks)	
	d Below Dark Surfa ark Surface (A12)	ce (A11)		hric (F11) (MLRA 15		3, ,, ,		
	rairie Redox (A16)	(MLRA 150A		nese Masses (F12) (L ace (F13) (LRR P, T,			ors of hydrophytic v nd hydrology must t	-
	lucky Mineral (S1)		-	(F17) (MLRA 151)	, 0,		disturbed or proble	•
Sandy C	Bleyed Matrix (S4)		Reduced Ve	rtic (F18) (MLRA 150				
	ledox (S5)			oodplain Soils (F19)				
	Matrix (S6) rface (S7) (LRR P,	C T II)	Anomalous I	Bright Loamy Soils (F	²⁰) (MLRA	149A, 153C, 1	53D)	
	ayer (if observed							
Type:		,-						
	ches):	_				Hydric Soil Pr	esent? Yes	No X
Remarks:								

Project/Site: Highway 49 Property	City/County: Hind	is County	Sampling Date: 5/29/2020
Applicant/Owner: Neely Trucking		State: MS	Sampling Point: 9
	Section, Township		
hillelene			Slope (%):
Subregion (LRR or MLRA): MLRA 134	1 at: 32.408099	Long: -90.280471	Slope (76)
Soil Map Unit Name: LoD2 - Loring silt loam, 8 to 17	percent slopes, eroded	Long NWI classific	ation: N/A
Are climatic / hydrologic conditions on the site typical for the			
Are Vegetation, Soil, or Hydrology			oresent? Yes No
Are Vegetation, Soil, or Hydrology		(If needed, explain any answe	
SUMMARY OF FINDINGS – Attach site map			•
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Yes Yes	No Is the Sam within a W		No X
Point taken on a slope. Area is recentled		remain.	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all	that apply)	Surface Soil	
Surface Water (A1)	c Fauna (B13)	Sparsely Veg	getated Concave Surface (B8)
High Water Table (A2)	eposits (B15) (LRR U)	Drainage Pa	terns (B10)
	gen Sulfide Odor (C1)	Moss Trim Li	nes (B16)
	ed Rhizospheres along Living R	Roots (C3) 📙 Dry-Season t	Water Table (C2)
	ice of Reduced Iron (C4)	Crayfish Burr	
	Iron Reduction in Tilled Soils (_	sible on Aerial Imagery (C9)
	uck Surface (C7)		Position (D2)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Explain in Remarks)	☐ Shallow Aqui	
Water-Stained Leaves (B9)		FAC-Neutral	
Field Observations:		Spriagnum n	loss (D8) (LRR T, U)
Surface Water Present? Yes No De	epth (inches):		
	epth (inches):		
	epth (inches):	Wetland Hydrology Presen	t? Yes No X
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previous inspect	ions), if available:	-
Damadua			
Remarks:			

EGETATION (Four Strata) – Use scientific na	<u> </u>	Dominant Indicator	Sampling Point: 9 Dominance Test worksheet:	
ree Stratum (Plot size: 0.10 ac)		Species? Status	Number of Dominant Species	
Pinus taeda	5	Y FAC	That Are OBL, FACW, or FAC:	(A)
				_
			Total Number of Dominant Species Across All Strata:	(B)
			Opecies Across Air Strata.	— (D)
			Percent of Dominant Species That Are OBL FACW or FAC: NaN	
			That Are OBL, FACW, or FAC: NaN	(A/
			Prevalence index worksheet:	
			Total % Cover of: Multiply by:	
	-		OBL species x 1 = _0	
500/ - 54-4-1 25		= Total Cover	FACW species x 2 = 0	
50% of total cover: 2.5	20% of	total cover: _'	FAC species x 3 = 0	
apling/Shrub Stratum (Plot size: 0.10 ac)			FACU species x 4 = 0	
			UPL species x 5 = 0	
				(E
			Column rotals (A)	(
			Prevalence Index = B/A = NaN	
			Hydrophytic Vegetation Indicators:	
			1 - Rapid Test for Hydrophytic Vegetation	ı
			2 - Dominance Test is >50%	
			3 - Prevalence Index is ≤3.0¹	
	•	= Total Cover	E o i revalence index io 20.0	-1-:-\
50% of total cover: 0			Problematic Hydrophytic Vegetation¹ (Exp	olain)
erb Stratum (Plot size: 0.10 ac)	20 /8 01	total cover.	1.	
			¹Indicators of hydric soil and wetland hydrolog	y must
			be present, unless disturbed or problematic.	
			Definitions of Four Vegetation Strata:	
			Tree - Woody plants, excluding vines, 3 in. (7	
			more in diameter at breast height (DBH), rega	rdless
			height.	
			Sapling/Shrub - Woody plants, excluding vin	es, less
			than 3 in. DBH and greater than 3.28 ft (1 m) t	
			Herb – All herbaceous (non-woody) plants, re-	nardlee
			of size, and woody plants less than 3.28 ft tall.	
			Woody vine – All woody vines greater than 3. height.	28 ft in
			rieight.	
	0			
		= Total Cover		
	20% of	total cover: 0		
oody Vine Stratum (Plot size: 0.10 ac)				
			Hydrophytic	
		= Total Cover	Vegetation	
50% of total cover: 0			Present? Yes No X	
JU /U UI (U(ai CUVCI.	20 % 01	total COVCI.		

2 10YR 5/4 100 Dec. C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Tric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	Depth	Matrix			ox Features		T		
be: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Indicators: (Applicable to all LRRs, unless otherwise noted.)* **Histosol (A1)** **Histosol (A1)** **Histosol (A2)** **Histosol (A2)** **Histosol (A3)** **Lorent (A3)**	inches)			Color (moist)	<u>%Type'</u>	Loc*	Texture	Remarks	
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (-12	10YR 5/4	_ 100						
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (-							
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (
Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (A1) Histosoi (A1) Histosoi (A2) Histosoi (A1) Histosoi (mo: C=C	oncontration D=Da	plotion DM-E	Paduand Matrix M	C=Masked Cond C	raina	2l costion: DI	-Doro Lining M-Matrix	
Histosol (A1) Histo Epipedon (A2) Histo Epipedon (A3) Histo Epiped						allis.			le ³ ·
Histic Epipedon (A2) Black Histic (A3) Black Histic (A1) Black His			cable to all L	_	·			•	
Black Histic (A3) Hydrogen Sulfide (A4) Straffied Layers (A5) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F2) Depleted Melow Dark Surface (A11) Thick Dark Surface (A12) Thick Dark Surface (A15) Sandy Micky Mineral (A7) (LRR P, S) Dark Surface (S7) (LRR P, T, U) Detal Code (F7) (Milk A 150) Stripped Matrix (S6) Dark Surface (S7) (LRR P, T, U) Trick Uper Matrix (S6) Dark Surface (S7) (LRR P, T, U) Trick Uper Matrix (S6) Dark Surface (S7) (LRR P, T, U) Trick Uper Matrix (S6) Dark Surface (S7) (LRR P, T, U) Trick Uper Matrix (S6) Dark Surface (S7) (LRR P, T, U) Trick Uper Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Trick Uper Matrix (S7) Dark Surface (S7) (LRR P, S, T, U) Trick Dark Surface (S7) (LRR P, S, T, U) Trick Dark Surface (S7) Dark Surface (S7) (LRR P, S, T, U) Trick Dark Surface (S7) Dark Surface (S7)		• •		= '	. , ,				
Hydrogen Sulfide (A4) Stratified Layers (A5) Coganic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Coast Prairie Redox (A16) (ILRR D, T) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Ricy Mineral (S1) (LRR O, S) Sandy Redex (S5) Depleted Object Very Shallow Dark Surface or (F13) (LRR P, T, U) Delted Below Dark Surface (A12) Coast Prairie Redox (A16) (MILRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Robox (S5) Delte Matrix (S6) Delte Matrix (S6) Delte Matrix (S6) Delte Matrix (S6) Anomalous Bright Loamy Soils (F20) Mineral (S1) (LRR O, S) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MILRA 149A) No Mark Soil Present? Yes No X Hydric Soil Present? Yes No X Hydric Soil Present? Yes No X		, , ,		- Carried Control of the Control of					
Siratifed Layers (A5) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Criganic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Torn Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Bleved Matrix (S4) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Bleved Matrix (S4) Sardy Redox (S5) Stripped Matrix (S8) Dark Surface (S7) (LRR P, S, T, U) Trictitve Layer (if observed): Type: Depleted Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Depleted Define (F17) (MLRA 150A) Delta Ochric (F18) (MLRA 150A), 150B) Stripped Matrix (S8) Dark Surface (S7) (LRR P, S, T, U) Trictitve Layer (if observed): Type: Depleted Matrix (S8) Dark Surface (S7) (LRR P, S, T, U) Trictitve Layer (if observed): Type: Depleted Matrix (S8) Dark Surface (S7) (LRR P, S, T, U) Trictitve Layer (if observed): Type: Depleted Matrix (S8) Dark Surface (S7) (LRR P, S, T, U) Trictitve Layer (if observed): Type: Depleted Matrix (S8) Dark Surface (S7) (LRR P, S, T, U) Trictitve Layer (if observed): Type: Depleted Define (F17) (MLRA 150A) (IRR O, P, T) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Trictitve Layer (if observed): Type: Depleted Define (F17) (MLRA 150A) (IRR O, P, T) Type: Depleted Define (F17) (MLRA 150A) (IRR O, P, T) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Type: Depleted Define (F17) (MLRA 150A, 150B) (IRR O, P, T) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Type: Depleted Define (F17) (MLRA 150A, 150B) (IRR O, P, T) Anomalous Bright Loamy Soils (F20) (MLRA 150A, 150B) (IRR O, P, T) Anomalous Bright Loamy Soils (F20) (MLRA 150A, 150B) (IRR O, P, T) Anomalous Bright Loamy Soils (F20) (IRR O, P, T) Anomalous Bright Loamy Soils (F20) (IRR O, P, T) Anomalous Bright Loamy Soils (F20) (IRR O, P, T) Anomalous Bright Loamy Soils (IRR O, P, T) Anomalous Bright Loamy Soils (IRR O, P, T)		, ,				₹ 0)			
Organic Bodies (A6) (LRR P, T, U)	Hydroge	en Sulfide (A4)		Loamy Gleye	ed Matrix (F2)				
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Redox Depressions (F8) Depleted Dark Surface (A8) (LRR P, T) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Below Dark Surface (A12) Depleted Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) Pinor-Manganese Masses (F12) (LRR O, P, T) Depleted Matrix (S4) Depleted Ochric (F17) (MLRA 151) Delta Ochric (F17) (MLRA 151) Delta Ochric (F17) (MLRA 151) Umbric Surface (F18) (MLRA 150A, 150B) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Reduced Vertic (F18) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) trictive Layer (if observed): ype:	Stratifie	d Layers (A5)		Depleted Ma	atrix (F3)		Anomalou	is Bright Loamy Soils (F20	0)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Redox Depressions (F8) Depleted Dark Surface (A8) (LRR P, T) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Below Dark Surface (A12) Depleted Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) Pinor-Manganese Masses (F12) (LRR O, P, T) Depleted Matrix (S4) Depleted Ochric (F17) (MLRA 151) Delta Ochric (F17) (MLRA 151) Delta Ochric (F17) (MLRA 151) Umbric Surface (F18) (MLRA 150A, 150B) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Reduced Vertic (F18) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) trictive Layer (if observed): ype:	Organic	Bodies (A6) (LRR I	P, T, U)	Redox Dark	Surface (F6)		(MLRA	153B)	
Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Stripped Matrix (S4) Dark Surface (S7) (LRR P, T, U) Detail Confice (F17) (MLRA 150A, 150A) Sandy Redox (S5) Sandy Mucky (S5) Dark Surface (A12) Detail Confice (F17) (MLRA 150A, 150A) Detail Confice (F17) (MLRA 150A, 150A) Detail Confice (F17) (MLRA 150A, 150A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Trictive Layer (if observed): 'ype: 'ppe: 'ppe 'ppe 'pre:				Depleted Da	rk Surface (F7)		☐ Red Pare	nt Material (TF2)	
1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S6) Depleted Othric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Sardy Redox (S7) Surface (S7) (LRR P, T, U) Dark Surface (S7) (LRR P, T, U) Surface (S5) Surface (S7) (LRR P, T, U) Surface (S7) (LRR P, T, U) Surface (S7) (LRR P, T, U) Surface (S7) (LRR P, S, T, U) Surface (S7) (LRR P, T, U) Surface (S7) (LRR P, S, T, U) Surface (S7) (LRR P, T,	Muck P	resence (A8) (LRR I	U)	Redox Depre	essions (F8)				
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Thick Dark Surface (A12) Thick Dark Surface (A12) Thick Dark Surface (A12) Thick Dark Surface (A15) Thick Dark Surface (A16) Thick Dark Surface (A17) Thick Dark S					` '				
Thick Dark Surface (A12)						51)		productive (or to the or t	
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic. Reduced Vertic (F18) (MLRA 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) trictive Layer (if observed): Type:			00 (/ 1/ / /				T) ³ Indicate	ers of hydrophytic vegetati	on and
Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Reduced Vertic (F18) (MLRA 150B) Reduced Vertic (F18) (MLRA 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Sturface (S7) (LRR P, S, T, U) trictive Layer (if observed): 'ype: Lepth (inches): Hydric Soil Present? Yes No X		• •	MI DA 150A)		, ,		•		
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) trictive Layer (if observed): ype: Pepth (inches): Hydric Soil Present? Yes No X									ent,
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) trictive Layer (if observed): ype:			LKK 0, 3)				uniess	disturbed or problematic.	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) trictive Layer (if observed): ype: hepth (inches): Hydric Soil Present? Yes No X Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes No X									
Dark Surface (S7) (LRR P, S, T, U) trictive Layer (if observed): ype: lepth (inches): No X harks:									
trictive Layer (if observed):				Anomalous E	Bright Loamy Soils	(F20) (MLR A	A 149A, 153C, 1	53D)	
Pepth (inches): No X	Dark Su	rface (S7) (LRR P,	S, T, U)						
Pepth (inches):	strictive	Layer (if observed)):						
narks:	Type:								
narks:	• •	ches).		_			Hydric Soil Pr	asant? Vas A	lo X
	• •						riyuric 3011 FT		
	narks:								
						¥2			

Project/Sile: Highway 49 Property City/County: Hinds County Sampling Date: 5/29/2020 Applicant/Owner: Neely Trucking State: MS Sampling Point: 10 Investigator(s): Headwaters, Inc. Section, Township, Range: 534 - T7N - R1W Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Subregion (LRR or MLRA): MLRA 134 Lat: 32.407502 Long: -90.279223 NWI classification: N/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are vegetation Soil or Hydrology anturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophylic Vegetation Present? Yes No X within a Wetland? Yes No X Sparsely Vegetated Concave Surface (B8) HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Saturation (A3) Presence of Reduced Iron (C4) Scaturation (C4) Scaturation (C4) Scaturation (C5) Scaturation (C5) Inundation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Inundation Visible on Aeri
Investigator(s): Headwaters, Inc. Section, Township, Range: S34 - TTN - R1W
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%): Subregion (LRR or MLRA): MLRA 134 Lat: 32.407502 Long: -90.279223 Datum: WGS84 Soll Map Unit Name: SeC2 - Siwell silt loam, 5 to 8 percent slopes, eroded NWI classification: N/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (if no, explain in Remarks). Are Vegetation Soll or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No (if needed, explain any answers in Remarks.) SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Was No X Wetland Hydrology Present? Yes No X Wetland Hydrology Indicators: Point taken at the head of an ephemeral channel. Upland topbanks. Hydrophytic Vegetation Present? Yes No X Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Soll Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Saturation (A3) Hydrogen Sulfide Odor (C1) Most Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B3) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C9) Agai Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Indicators (B5) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations:
Subregion (LRR or MLRA): MLRA 134
Soil Map Unit Name: SeC2 - Siwell silt loam, 5 to 8 percent slopes, eroded NWI classification: NI/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are "Vegetation or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Wetland Hydrology Present? Yes No X Wetland Hydrology Present? Yes No X Surface Soil Cracks (B6) Sufface Water (A1) Aquatic Fauna (B13) Surface Water (A1) Aquatic Fauna (B13) Saturation (A3) Hydrogen Sulfide Odor (C1) Mar Deposits (B15) (LRR U) Hydrogen Sulfide Odor (C1) Saturation (A3) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) In no Deposits (B5) Charlet (Explain in Remarks) Sphagnum moss (D8) (LRR T, U) Field Observations:
Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are "Vegetation, Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present?
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Wetland Hydrology Indicators: Point taken at the head of an ephemeral channel. Upland topbanks. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Field Observations:
Hydrophytic Vegetation Present? Yes No X No Within a Wetland? Yes No X Within a Wetland? Yes No X Wetland Hydrology Present? Yes No X Within a Wetland? Yes No X No X Within a Wetland? Yes No X No X Within a Wetland? Yes No X No X No X Within a Wetland? Yes No X No X No X Within a Wetland? Yes No X No X No X No X No X Within a Wetland? Yes No X No X No X No X No X No X No X No
Hydric Soil Present? Wetland Hydrology Present? Point taken at the head of an ephemeral channel. Upland topbanks. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Hydrogen Sulfide Odor (C1) Water Marks (B1) Sediment Deposits (B2) Presence of Reduced Iron (C4) Sediment Deposits (B3) Algal Mat or Crust (B4) Thin Muck Surface (C7) Ino Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Within a Wetland? Yes No X Marl Deposits (B1) Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Inon Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations:
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Inon Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U)
Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations:
Surface Water (A1) High Water Table (A2) Marl Deposits (B15) (LRR U) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Marl Deposits (B15) (LRR U) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Saturation (A3)
Water Marks (B1)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations:
Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (C9) Thin Muck Surface (C7) Other (Explain in Remarks) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations:
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Thin Muck Surface (C7) Other (Explain in Remarks) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations:
Iron Deposits (B5) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations:
Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations:
Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches):
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No _X
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
TOTAL CONTROL OF THE PROPERTY

		Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A
			Total Number of Dominant
			Species Across All Strata: (B
			Percent of Dominant Species That Are OBL, FACW, or FAC: NaN (A
			That Ale OBE, FACW, OF FAC.
			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
	= Total Cov	er	OBL species x 1 = 0
20% of	total cover:	0	FACW species x 2 = 0
			FAC species x 3 = 0
25	Y	FAC	FACU species $x 4 = 0$
20	Y	FAC	UPL species x 5 =
15	Υ	FAC	Column Totals: 0 (A) 0
15	Υ	FAC	Prevalence Index = B/A = NaN
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0¹
75	= Total Cov	er	Problematic Hydrophytic Vegetation¹ (Explain)
20% of	total cover:	15	
			¹ Indicators of hydric soil and wetland hydrology must
20	Υ	FAC	be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
			more in diameter at breast height (DBH), regardless
			height.
			Sapling/Shrub - Woody plants, excluding vines, les
			than 3 in. DBH and greater than 3.28 ft (1 m) tall.
			Herb - All herbaceous (non-woody) plants, regardles
			of size, and woody plants less than 3.28 ft tall.
			Woody vine – All woody vines greater than 3.28 ft in
			height.
20	= Total Cov	er	
20% of	total cover:	4	
			Hydrophytic
0 =	= Total Cov	er	Vegetation
20% of	total cover	0	Present? Yes X No
	25 20 15 15 15 20% of 20 20 20 20 cf	Total Cover: 25	Total Cover

Sampling	Point:	1	0

e	\sim	ı	П
0	U	ı	ш

Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 0-12 10YR 5/3 95 7.5YR 4/6 5 silt loam 1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1 Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils³:	_
0-12 10YR 5/3 95 7.5YR 4/6 5 silt loam Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 2Location: PL=Pore Lining, M=Matrix.	_
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.	_
	'
	_
	-
	_
I HVQTIC Soil Indicators: (Applicable to all LRRs, unless otherwise noted)	
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O)	
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S)	
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A Hydrogen Sulfide (A4) Loamy Gleved Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P. S.	
A real contract to appear contra	T)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2)	
Muck Presence (A8) (LRR U) Redox Depressions (F8) Redox Depressions (F8) Very Shallow Dark Surface (TF12)	
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks)	
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)	
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation and	
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present.	
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problematic.	
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A)	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	- 1
Dark Surface (S7) (LRR P, S, T, U)	
Restrictive Layer (if observed):	
Type:	
Depth (inches):	_
Remarks:	\neg
	- 1

Project/Site: Highway 49 Property	City/County: Hind	ls County	Sampling Date: 5/29/2020				
Applicant/Owner: Neely Trucking		State: MS	Sampling Point: 11				
Investigator(s): Headwaters, Inc. Section, Township, Range: S35 - T7N - R1W							
Landform (hillslope, terrace, etc.):							
Subregion (LRR or MLRA): MLRA 134	Lat: 32.407984	Long: -90.276943	Datum: WGS84				
Soil Map Unit Name: LoD2 - Loring silt loam, 8 to 17	percent slopes, eroded	NWI classific	ation: N/A				
Are climatic / hydrologic conditions on the site typical for the							
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" p	resent? Yes No				
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answe	rs in Remarks.)				
SUMMARY OF FINDINGS – Attach site map		•	•				
Hydrophytic Vegetation Present? Yes X	No						
Hydric Soil Present? Yes	No X Is the Sam		No X				
Hydric Soil Present? Wetland Hydrology Present? Yes X	No within a W	etiand? Yes	No <u>^</u>				
Remarks:							
Point taken in a low area. Obvious sig	ns of depostion from	an adjacent property	y. Surface is				
saturated, but dry below 5 inches.							
HYDROLOGY			-				
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)				
Primary Indicators (minimum of one is required; check al	I that apply)	Surface Soil	Cracks (B6)				
Surface Water (A1) Aquati	c Fauna (B13)	Sparsely Veg	etated Concave Surface (B8)				
High Water Table (A2)	eposits (B15) (LRR U)	Drainage Pat	terns (B10)				
	gen Sulfide Odor (C1)	Moss Trim Li	nes (B16)				
	ed Rhizospheres along Living F		Nater Table (C2)				
 	nce of Reduced Iron (C4)	Crayfish Burr					
	t Iron Reduction in Tilled Soils (_	sible on Aerial Imagery (C9)				
	luck Surface (C7) (Explain in Remarks)	☐ Geomorphic ☐ Shallow Aqui	` '				
Inundation Visible on Aerial Imagery (B7)	(Explain in Remarks)	FAC-Neutral	` '				
Water-Stained Leaves (B9)		=	oss (D8) (LRR T, U)				
Field Observations:			(
Surface Water Present? Yes No De	epth (inches):						
Water Table Present? Yes No Do	epth (inches):						
Saturation Present? Yes No Do (includes capillary fringe)	epth (inches):	Wetland Hydrology Presen	t? Yes X No				
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previous inspec	ions), if available:					
Remarks:							
1							

EGETATION (Four Strata) – Use scientific na				Sampling Point: 11
<u>Free Stratum</u> (Plot size: <u>0.10 ac</u>)		Dominant Species?		Dominance Test worksheet:
l				Number of Dominant Species That Are OBL, FACW, or FAC:
				Total Number of Deminent
•				Total Number of Dominant Species Across All Strata:
				Percent of Dominant Species That Are OBL, FACW, or FAC: NaN
				THAT ARE OBE, I AOVI, OF I AO.
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
	0	= Total Cov	/er	OBL species x 1 = 0
50% of total cover: 0				FACW species x 2 = 0
apling/Shrub Stratum (Plot size: 0.10 ac)				FAC species x 3 = 0
Salix nigra	15	N	OBL	FACU species x 4 = 0
Ligustrum sinense	25	Y	FAC	UPL species x 5 = 0
Fraxinus pennsylvanica	10	\overline{N}	FACW	Column Totals: 0 (A) 0
Gleditsia triacanthos	20	Y	FAC	Daniel Ladau Str. Man
Carya illinoinensis	5	N	FACU	Prevalence Index = B/A = NaN
Ulmus americana	10	\overline{N}	FAC	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
		= Total Cov		3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain
erb Stratum (Plot size: 0.10 ac) Rubus argutus				¹Indicators of hydric soil and wetland hydrology metable present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 c
				more in diameter at breast height (DBH), regardle
				height.
				Sapling/Shrub – Woody plants, excluding vines,
				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
				Herb – All herbaceous (non-woody) plants, regard
				of size, and woody plants less than 3.28 ft tall.
				Woody vine – All woody vines greater than 3.28
				height.
	10			
		= Total Cov		
50% of total cover: 5	20% of	total cover:		
Parthenocissus quinquefolia (0.10 ac)	-	V	54011	
	5	Yes	FACU	
				Hydrophytic
		= Total Cov		Vegetation
		total cover:		Present? Yes X No

Sampling	Point:	11	
Samululliu	POILIL.		

CO	

	cription: (Describe	to the depth	needed to docu	ment the i	ndicator	or confirm	n the absence	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Rede Color (moist)	ox Feature: %	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 5/3	100	COIOI (IIIOISI)		- ADC	LUC	silt loam	saturated in the upper 4 inches
								
¹ Type: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, M	IS=Masked	Sand Gra	ains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to all L	RRs, unless other	erwise note	ed.)			for Problematic Hydric Soils ³ :
Histosol			Polyvalue B					Muck (A9) (LRR O)
	pipedon (A2)		Thin Dark S					Muck (A10) (LRR S)
	istic (A3) en Sulfide (A4)		Loamy Muck			(0)		ced Vertic (F18) (outside MLRA 150A,B) nont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma	•	,			alous Bright Loamy Soils (F20)
Organic	Bodies (A6) (LRR I	P, T, U)	Redox Dark	Surface (F	6)			RA 153B)
	ıcky Mineral (A7) (L		Depleted Da					arent Material (TF2)
	esence (A8) (LRR		Redox Depr		B)			Shallow Dark Surface (TF12)
	ick (A9) (LRR P, T) d Below Dark Surfa		Marl (F10) (I		(MLRA 14	51\	U Otner	(Explain in Remarks)
	ark Surface (A12)	56 (/ 111)	Iron-Mangar				T) ³ India	cators of hydrophytic vegetation and
Coast P	rairie Redox (A16) (MLRA 150A)						tland hydrology must be present,
_	fucky Mineral (S1)	(LRR O, S)	Delta Ochric					ess disturbed or problematic.
	Bleyed Matrix (S4)		Reduced Ve					
	Redox (S5) Matrix (S6)		Piedmont FI				9A) A 149A, 153C	: 153D)
	rface (S7) (LRR P,	S, T, U)		Diigiik Loui	ny conc (i	Lo) (MEIX	140, 1000	,, 1002/
Restrictive	Layer (if observed)):						
Type:			_					
Depth (in	ches):		_				Hydric Soil	Present? Yes No X
Remarks:								
								<u></u>
								,
								

Project/Site: Highway 49 Property	City/County: Hi	nds County	Sampling Date: 5/29/2020
Applicant/Owner: Neely Trucking		State: MS	Sampling Point: 12
· · · · · · · · · · · · · · · · · · ·	Section, Townsl		
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): MLRA 134	Lat: 32.408519	Long: -90.275774	Datum: WGS84
Soil Map Unit Name: LoD2 - Loring silt loam, 8	to 17 percent slopes, eroded	NWI classifi	cation: N/A
Are climatic / hydrologic conditions on the site typic	cal for this time of year? Yes X	No (If no, explain in I	Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site	e map showing sampling p	oint locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes X	No is the Sa		
Hydric Soil Present? Yes	No X	impled Area	Y
Hydric Soil Present? Yes	No within a	Wetland? Yes	No X
Remarks:			
Similar to the last point. depositio	n visible and saturation i	n the upper three inc	hes and dry below.
Soils are a solid 5/3 as well. The			
HYDROLOGY			
Wetland Hydrology Indicators:		Socondary India	ators (minimum of two required)
Primary Indicators (minimum of one is required; c	heck all that annly)		Cracks (B6)
	Aquatic Fauna (B13)		getated Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B15) (LRR U)		atterns (B10)
	Hydrogen Sulfide Odor (C1)	Moss Trim L	
Water Marks (B1)	Oxidized Rhizospheres along Living		Water Table (C2)
	Presence of Reduced Iron (C4)	Crayfish Bui	
Drift Deposits (B3)	Recent Iron Reduction in Tilled Soils	s (C6) 🔲 Saturation V	isible on Aerial Imagery (C9)
	Thin Muck Surface (C7)	Geomorphic	Position (D2)
	Other (Explain in Remarks)	∐ Shallow Aqւ	· · ·
Inundation Visible on Aerial Imagery (B7)		FAC-Neutra	` '
☐ Water-Stained Leaves (B9) Field Observations:		☐ Sphagnum r	moss (D8) (LRR T, U)
	Depth (inches):		
	Depth (inches):		
	Depth (inches):	. Wetland Hydrology Prese	nt? Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring	ng well, aerial photos, previous inspe	ections), if available:	
Remarks:			

- Use scientific r	names of p	ants.		Sampling Point:	
Tree Stratum (Plot size: 0.10 ac)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:	
1				Number of Dominant Species	A)
2				Total Number of Dominant	
3. 4.				Species Across All Strata: (I	B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: NaN (A (D)
6				That Are OBL, FACW, or FAC: Nan (/	A/B)
7				Prevalence Index worksheet:	
8				Total % Cover of: Multiply by:	
		= Total Cov	/er	OBL species x 1 = 0	
	20% of	total cover	0	FACW species x 2 = 0 FAC species x 3 = 0	
Sapling/Shrub Stratum (Plot size: 0.10 ac) 1. Ligustrum sinense	40	V	540	FACU species x 4 = 0	
2. Ulmus americana		<u>Y</u>	FAC	UPL species x 5 = 0	
3. Quercus nigra	15	N	FAC	Column Totals: 0 (A) 0	(B)
				()	(0)
5				Prevalence Index = B/A = NaN	
6				Hydrophytic Vegetation Indicators:	
7				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
8				☐ 2 - Dominance Test is >50% ☐ 3 - Prevalence Index is <3.01	
		Total Cov		C Trovalorios index is 20.0	
50% of total cover: 40				Problematic Hydrophytic Vegetation ¹ (Explain)	
Herb Stratum (Plot size: 0.10 ac)				¹ Indicators of hydric soil and wetland hydrology mus	. 4
1. Carex spp	15	Υ	FACW	be present, unless disturbed or problematic.	Ιί
2				Definitions of Four Vegetation Strata:	
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm)	١
4				more in diameter at breast height (DBH), regardless	or of
5				height.	
6				Sapling/Shrub - Woody plants, excluding vines, les	ss
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.	
8	- .			Herb – All herbaceous (non-woody) plants, regardle	SS
9		 .		of size, and woody plants less than 3.28 ft tall.	
10		 -		Woody vine – All woody vines greater than 3.28 ft in	n
11 12				height.	
16.	15 =				
50% of total cover: 7.5		Total Cove			
Woody Vine Stratum (Plot size: 0.10 ac)	20% 011	otal cover:			
1					
2					
3.					
4					
5					
		Total Cove	er .	Hydrophytic Vegetation	
50% of total cover: 0				Present? Yes X No	
				l	
Remarks: (If observed, list morphological adaptations beli					_

ampling	Point:	1	2

c	\cap	н	
Q	v	1	ᆫ

Depth	cription: (Describe Matrix	to the dept		nent the indicator or confir Features	m the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	<u>% Type¹ Loc²</u>	Texture	Remarks
0-12	10YR 5/3	100			silt loam	
						
¹ Type: C=C	oncentration, D=De	pletion, RM=I	Reduced Matrix, MS	=Masked Sand Grains.	² Location: P	PL=Pore Lining, M=Matrix.
	Indicators: (Applic					or Problematic Hydric Soils ³ :
☐ Histosol	(A1)		Polyvalue Bel	ow Surface (S8) (LRR S, T,	U) 1 cm Mu	ck (A9) (LRR O)
Histic E	pipedon (A2)			face (S9) (LRR S, T, U)		ck (A10) (LRR S)
	istic (A3)			Mineral (F1) (LRR O)		l Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleyer		1 1	t Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)	T 11	Depleted Mate		_	ous Bright Loamy Soils (F20)
	Bodies (A6) (LRR Fucky Mineral (A7) (L		Redox Dark S	surface (F6) k Surface (F7)		A 153B) ent Material (TF2)
	esence (A8) (LRR L		Redox Depres	` '		ent Material (1F2) allow Dark Surface (TF12)
	ick (A9) (LRR P, T)	-,	Marl (F10) (LI			xplain in Remarks)
	d Below Dark Surfac	ce (A11)		ric (F11) (MLRA 151)		,
	ark Surface (A12)			se Masses (F12) (LRR O, P	, T) ³ Indicat	ors of hydrophytic vegetation and
	rairie Redox (A16) (ce (F13) (LRR P, T, U)		nd hydrology must be present,
	Mucky Mineral (S1) (LRR O, S)		F17) (MLRA 151)		s disturbed or problematic.
	Gleyed Matrix (S4)			ic (F18) (MLRA 150A, 150B	•	
	Redox (S5) Matrix (S6)			odplain Soils (F19) (MLRA 1 right Loamy Soils (F20) (ML I		52D)
	rface (S7) (LRR P, \$	S. T. U)	Anomalous bi	ight Loanly Johns (1 20) (ML)	KA 149A, 1990, I	330)
	Layer (if observed)					
Type:						
Depth (in	ches):		<u> </u>		Hydric Soil P	resent? Yes No X
Remarks:						

Project/Site: Highway 49 Property	City/County: Hin	ds County	Sampling Date: 5/29/2020
Applicant/Owner: Neely Trucking			Sampling Point: 13
Investigator(s): Headwaters, Inc.			
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): MLRA 134 Lat: 32.40	7638	Long: -90.27561	Datum: WGS84
Soil Map Unit Name: SeC2 - Siwell silt loam, 5 to 8 percent slop	pes, eroded	NWI da	essification: N/A
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes X	No (If no explain	n in Remarke \
Are Vegetation, Soil, or Hydrology significantly			ces" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr		(If needed, explain any a	
SUMMARY OF FINDINGS - Attach site map showing			
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Point taken on the berm of a dirt pit. The pit is our property. The area is upland with early sucare a 5/3 and 5/4 on the 10YR page.	Is the San within a V	npled Area Vetland? Yes	urrently active south of
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary I	ndicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)			Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B1:	3)	Sparsely	y Vegetated Concave Surface (B8)
High Water Table (A2) High Water Table (A2) Marl Deposits (B15		Drainag	e Patterns (B10)
Saturation (A3)			im Lines (B16)
Water Marks (B1) Oxidized Rhizosph			son Water Table (C2)
Sediment Deposits (B2) Presence of Reduct Drift Deposits (B3) Recent Iron Reduct			Burrows (C8)
☐ Drift Deposits (B3) ☐ Recent Iron Reduct ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface		_	on Visible on Aerial Imagery (C9)
Iron Deposits (B5) Other (Explain in R	` '		phic Position (D2) Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	, , , , , , , , , , , , , , , , , , , ,		utral Test (D5)
Water-Stained Leaves (B9)			um moss (D8) (LRR T, U)
Field Observations:			
Surface Water Present? Yes X No Depth (inches)			
Water Table Present? Yes No Depth (inches)			
Saturation Present? Yes No Depth (inches) (includes capillary fringe)			esent? Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photo	s, previous inspec	tions), if available:	
Remarks:			
	6		
This area is part of a dirt pit. The water is likely	from the rec	ent rainfall the si	te has experienced.
			1

EGETATION (Four Strata) – Use scientific ree Stratum (Plot size: 0.10 ac)	Absolute Dominant		Dominance Test worksheet	impling Point: 13
	% Cover Species?		Number of Dominant Species	
			That Are OBL, FACW, or FAC	C: (A
* *.			Total Number of Dominant	
			Species Across All Strata:	(B)
			Percent of Dominant Species	
			That Are OBL, FACW, or FAC	C: <u>NaN</u> (A
			Prevalence Index workshee	 et:
			Total % Cover of:	Multiply by:
	0 = Total Cov		OBL species	x 1 = 0
T00/ -51-4-1 0	= 10tal C0V		FACW species	
	20% of total cover:		FAC species	
apling/Shrub Stratum (Plot size: 0.10 ac Salix nigra	15 V	OBL	FACU species	
			UPL species	
			Column Totals: 0	
			Ocidini Potato.	()
			Prevalence Index = B/A	λ = <u>NaN</u>
			Hydrophytic Vegetation Ind	icators:
			1 - Rapid Test for Hydrop	hytic Vegetation
			2 - Dominance Test is >5	50%
			3 - Prevalence Index is ≤	3.0 ¹
	15 = Total Cov	er	Problematic Hydrophytic	Vegetation ¹ (Explain)
50% of total cover: 7	.5 20% of total cover:	3	1	
			Definitions of Four Vegetati Tree – Woody plants, excludi more in diameter at breast he	ion Strata: ing vines, 3 in. (7.6 cm)
			height. Sapling/Shrub - Woody plan	nts, excluding vines, les
			than 3 in. DBH and greater th	, ,
			Herb – All herbaceous (non-v of size, and woody plants less	
•			Woody vine - All woody vine	s greater than 3.28 ft in
			height.	
•				
50% of total cover: 0 body Vine Stratum (Plot size: 0.10 ac)	0 = Total Cover:			
	0 = Total Cove	25	Hydrophytic Vegetation	
500/ of total occurs. ()			Present? Yes X	No
	20% of total cover:			
manufacture (16 also a more de 12 de manufacture) en la contracture de 12 de manufacture (17 de manufacture) en la contracture (17 de manufacture)	below)			
marks: (If observed, list morphological adaptations				

C		ı	
പ	. .	ı	

inches)	Matrix Color (moist) 9	Redox Features Color (moist) % Type ¹	1 - 2	***	_	
)-12	10 YR 5/4	Color (moist) % Type ¹	Loc ²	<u>Texture</u>	Remarks	<u> </u>
-12	10 11(3/4			silt loam		
pe: C=C	oncentration, D=Depletion,	RM=Reduced Matrix, MS=Masked Sand G	rains	2l ocation: Pl =l	Pore Lining, M=Ma	triv
dric Soil	Indicators: (Applicable t	o all LRRs, unless otherwise noted.)		Indicators for P	roblematic Hydri	c Soils ³ :
Histosol		Polyvalue Below Surface (S8) (LRR S. T. U		(A9) (LRR O)	
Histic E	pipedon (A2)	Thin Dark Surface (S9) (LRR S			(A10) (LRR S)	
	istic (A3)	Loamy Mucky Mineral (F1) (LR			ertic (F18) (outside	MLRA 1504
	en Sulfide (A4)	Loamy Gleyed Matrix (F2)	•		oodplain Soils (F1	
	d Layers (A5)	Depleted Matrix (F3)			Bright Loamy Soils	
	Bodies (A6) (LRR P, T, U)			(MLRA 15		
5 cm Mu	ucky Mineral (A7) (LRR P,				Material (TF2)	
	resence (A8) (LRR U)	Redox Depressions (F8)			w Dark Surface (TF	12)
1 cm ML	uck (A9) (LRR P, T)	Marl (F10) (LRR U)		U Other (Expla	ain in Remarks)	
	d Below Dark Surface (A11 ark Surface (A12)					
	rairie Redox (A16) (MLRA	Iron-Manganese Masses (F12)		•	of hydrophytic veg	
	fucky Mineral (S1) (LRR O				nydrology must be	
Sandy G	Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 181)		uniess di	sturbed or problem	iatic.
	Redox (S5)	Piedmont Floodplain Soils (F19)		14)		
	Matrix (S6)	Anomalous Bright Loamy Soils			2)	
	rface (S7) (LRR P, S, T, U)	in a substitution of the country could be	(1 20) (111211)	(1437, 1330, 1331	·)	
	_ayer (if observed):		Т			
Туре:						
Depth (inc	ches):			Hydric Soil Prese	ont? Voc	No X
narks:				Trydric 3011 Frest	FILT 165	
						10

Attachment IV

Photographs of Selected Property Features

Hinds County, Mississippi



DATA POINT #1

PHOTOGRAPH #1

View of the scrub-shrub habitat observed on the northern portion of the property.



DATA POINT #2

PHOTOGRAPH #2

View of an ephemeral stream channel on the northern portion of the property.



Hinds County, Mississippi



DATA POINT #3

PHOTOGRAPH #3

View of the intermittent stream channel flowing northwest off the site.



DATA POINT #4

PHOTOGRAPH #4

View of the 5/4 upland soils encountered on the northern portion of the site.



Hinds County, Mississippi



DATA POINT #5

PHOTOGRAPH #5

View of the herbaceous upland observed on an electrical distribution line that transects the northeastern portion of the site.



DATA POINT #6

PHOTOGRAPH #6

View of the dense scrub-shrub upland habitat that occupies the majority of the site.



Hinds County, Mississippi



DATA POINT #7

PHOTOGRAPH #7

View of a solid 10YR 5/3 upland soil observed at waypoint 7



DATA POINT #8

PHOTOGRAPH #8

View of an upland soil observed as a 10YR 5/3 soils with a 4/6 mottle. Most of the area has recently been cleared.



Hinds County, Mississippi



DATA POINT #9

PHOTOGRAPH #9

View south of recently cleared area on the central and western portions of the property.



DATA POINT #10

PHOTOGRAPH #10

View of an ephemeral channel and scrub-shrub upland habitat at waypoint 10.



Hinds County, Mississippi



DATA POINT #11

PHOTOGRAPH #11

View of the upland soils observed in a low area at waypoint 11.



DATA POINT #12

PHOTOGRAPH #12

View of the dense scrub-shrub habitat observed at waypoint 12



Hinds County, Mississippi



DATA POINT #13

PHOTOGRAPH #13

View of an existing surface mine dirt pit. Area was being used as a detention basin.

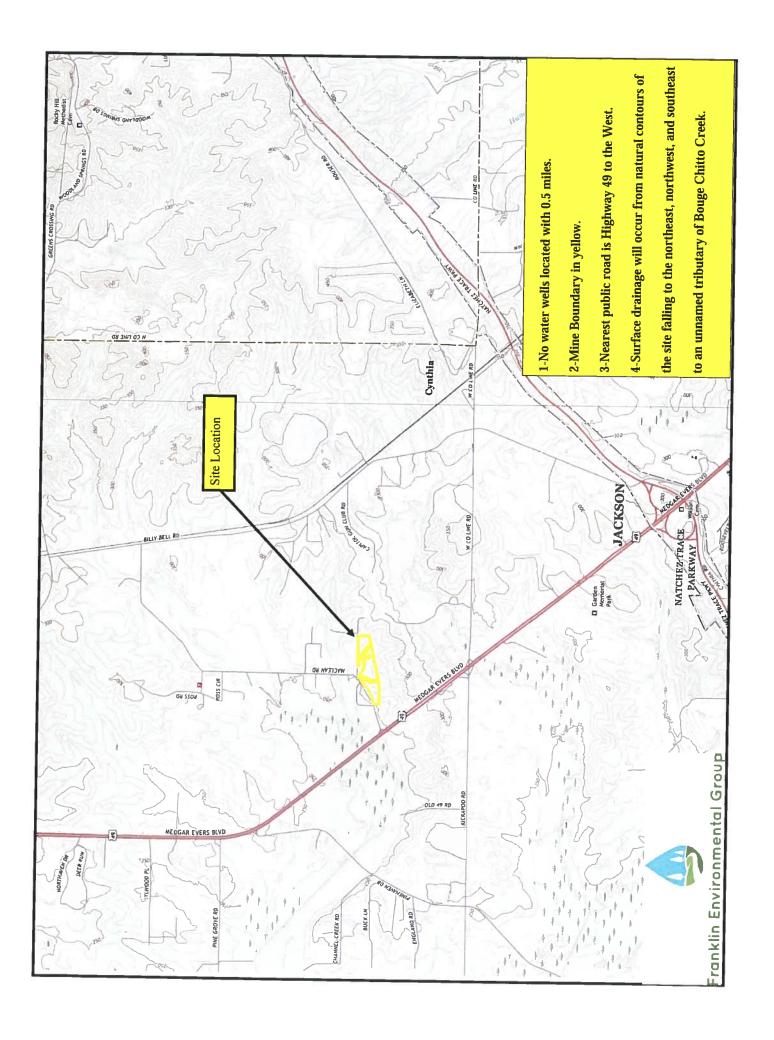


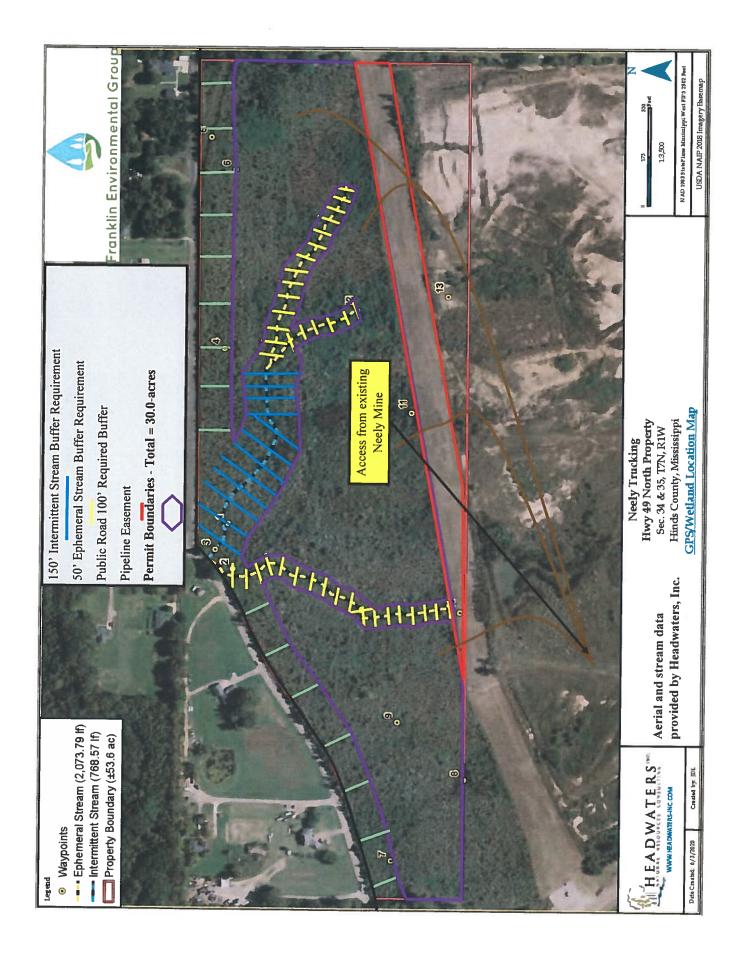
DATA POINT #14

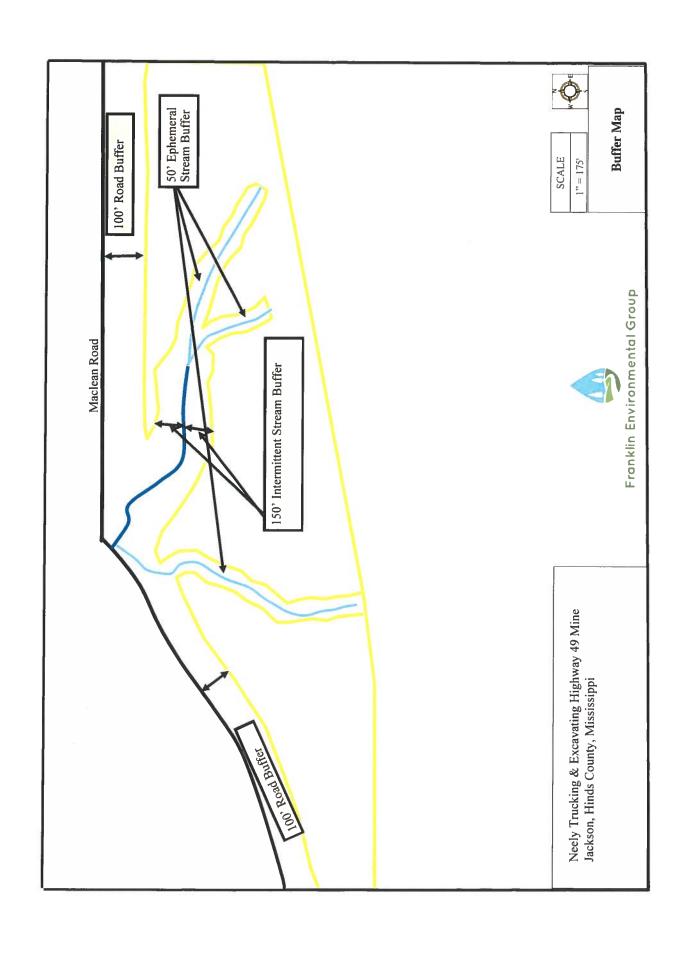
PHOTOGRAPH #14

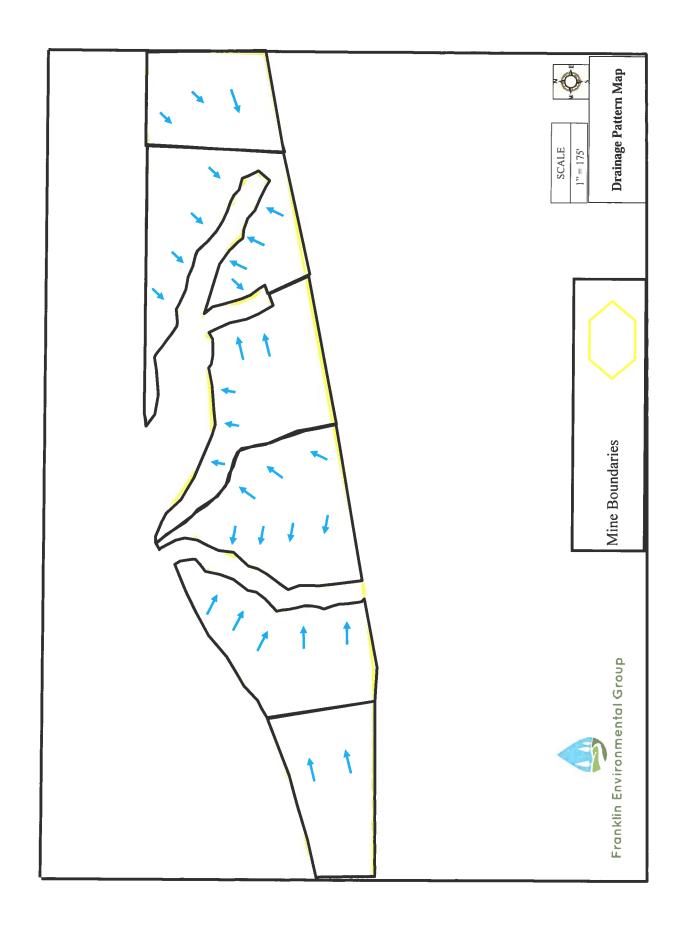
View of the typical scrub-shrub habitat observed at waypoint 14.

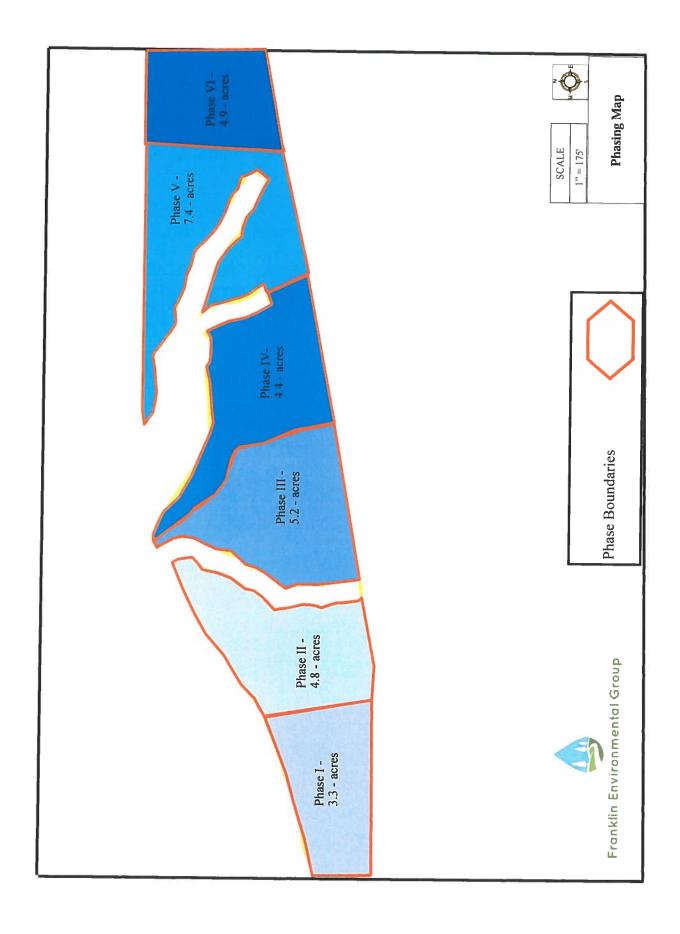


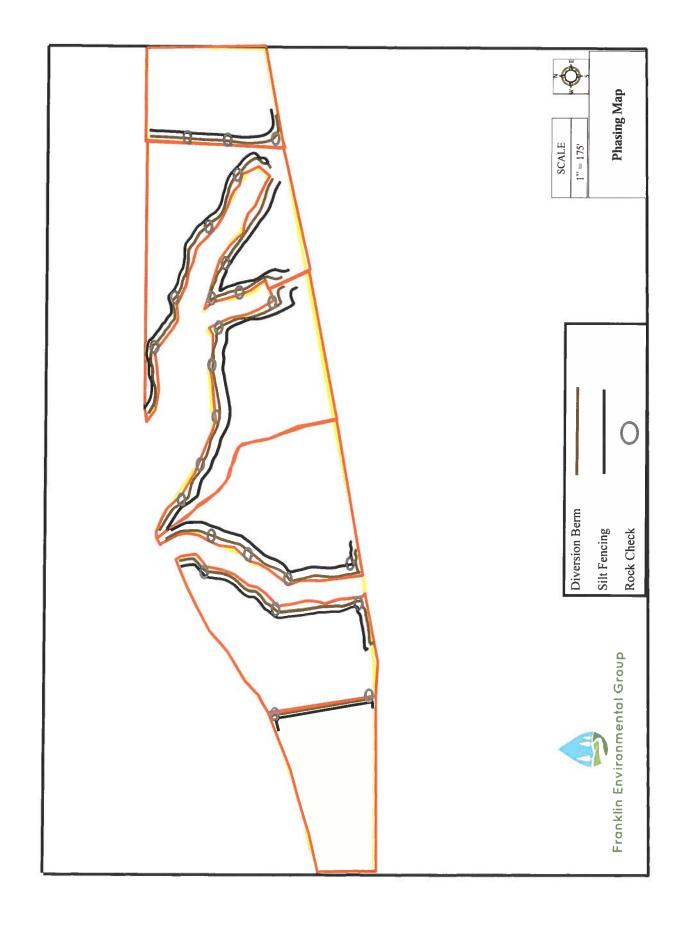


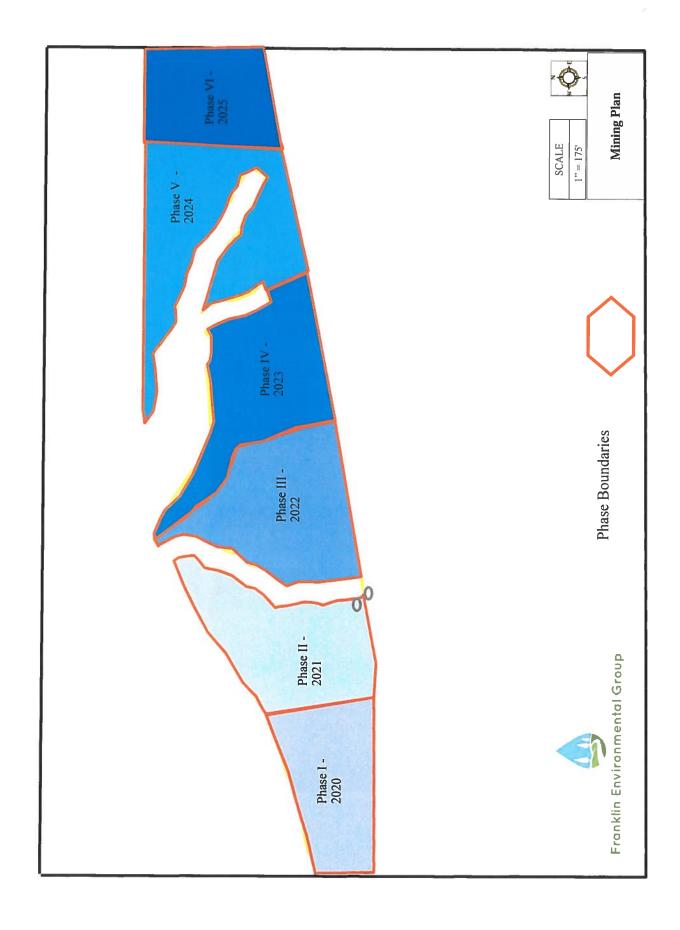


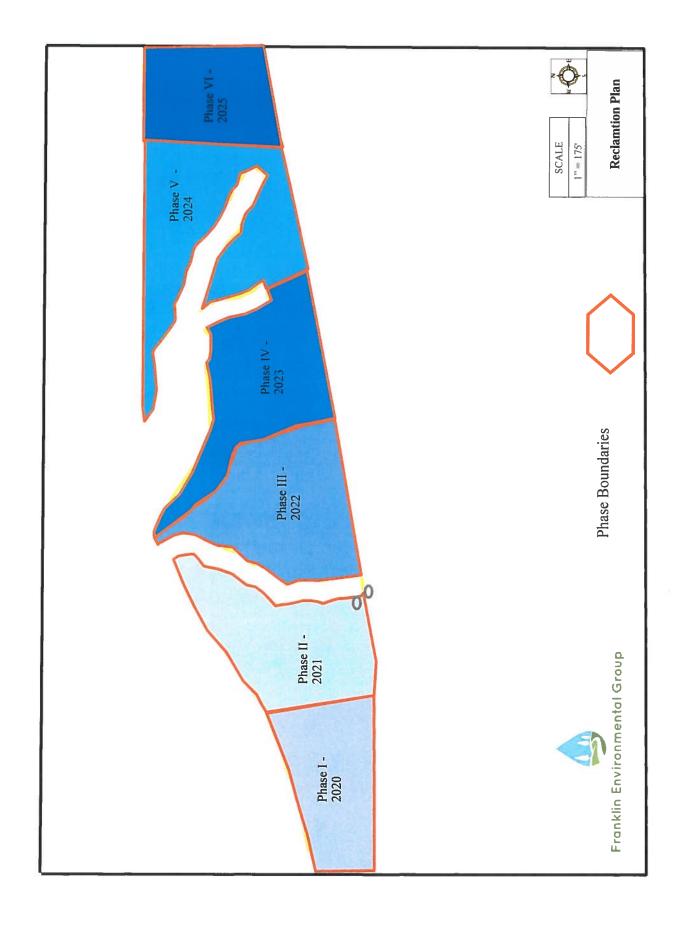


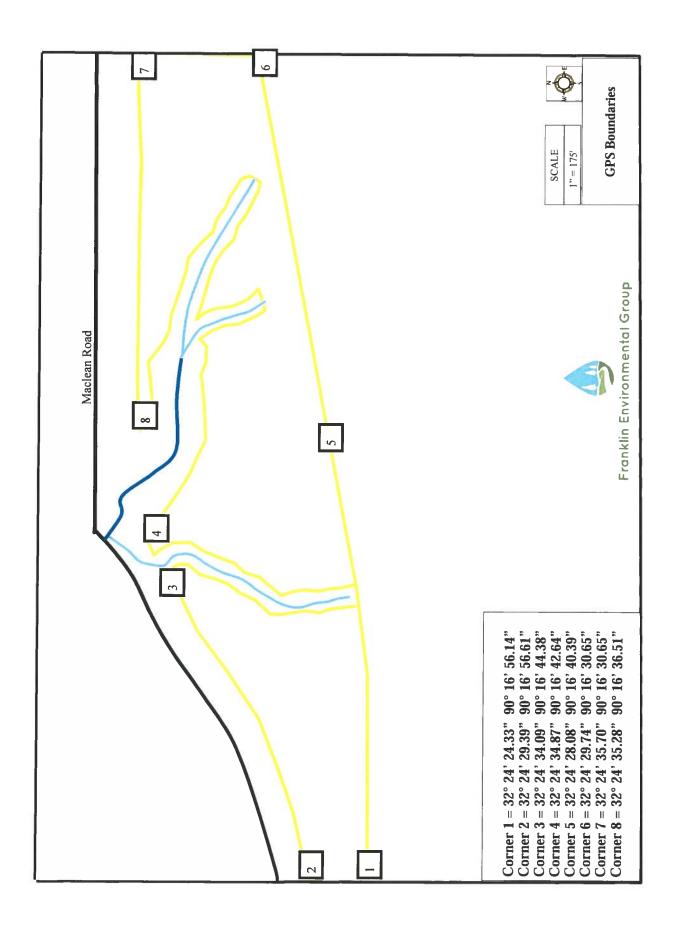


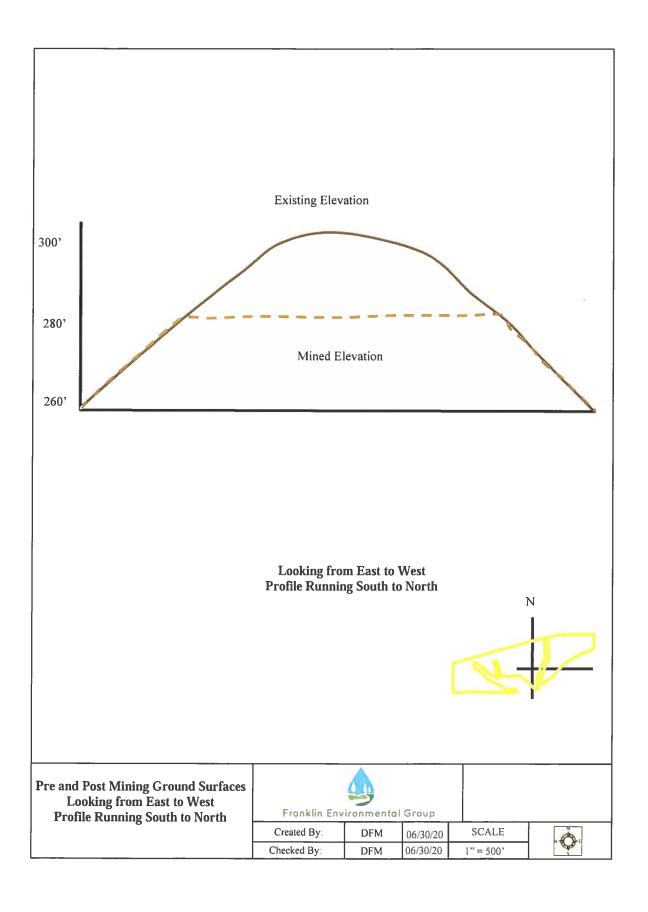


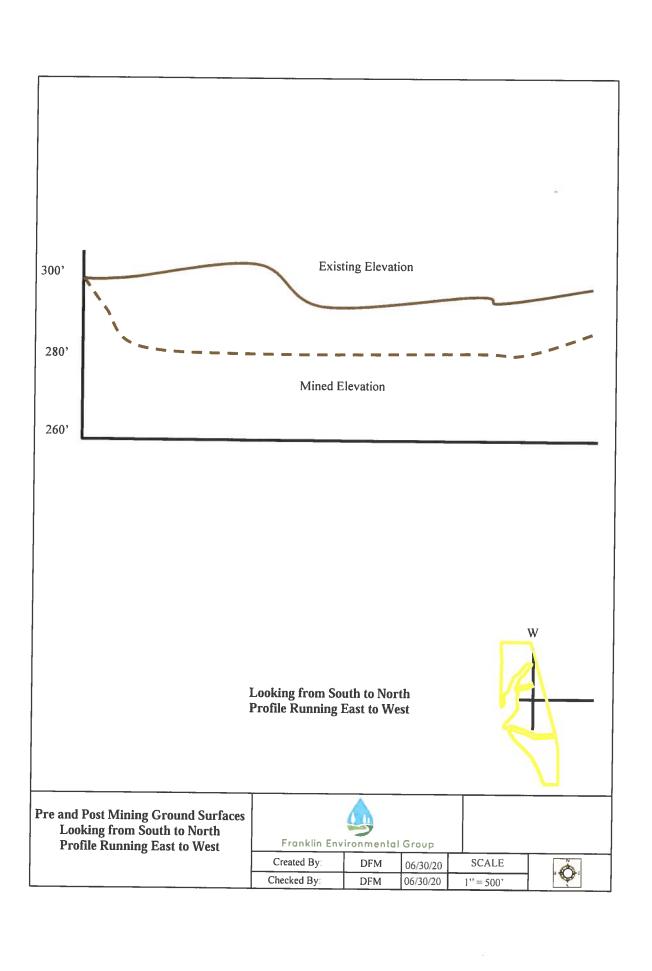


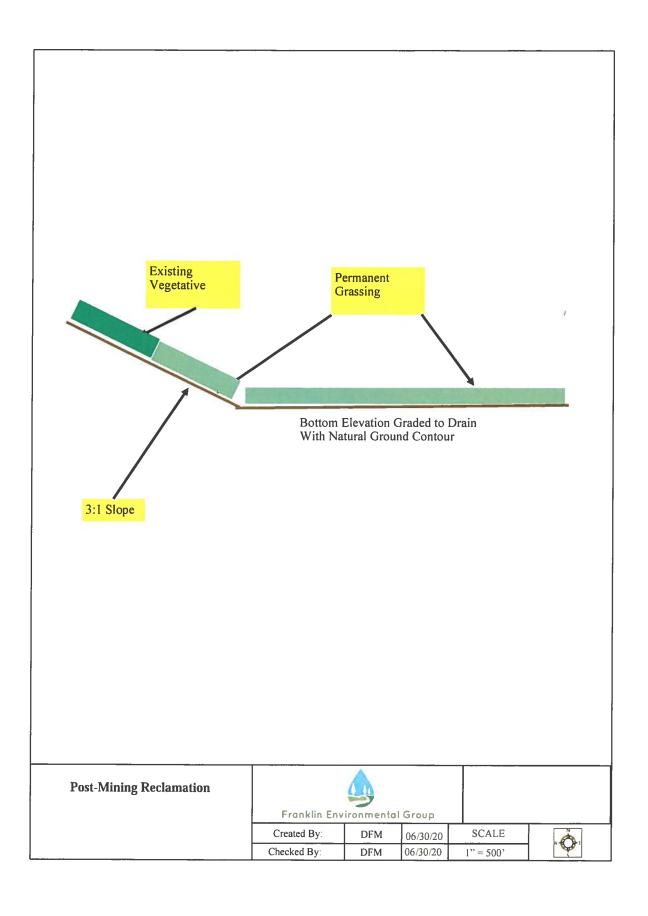












APPENDIX A LIST OF SIGNIFICANT SPILLS AND LEAKS

APPENDIX A LIST OF SIGNIFICANT SPILLS AND LEAKS

6		,				····	 	 	
And similar of the second section of the section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section	nts that have occurred at the facility since sheets as needed				Preventive Measure Taken				
	Directions: Record below all significant leaks and spills of toxic or hazardous pollutants that have occurred at the facility since February 1, 2013. Update as needed for leaks and spills that occur. Attach additional sheets as needed	Response Procedure	Material	Exposed to storm water?	(Y/N)				
		Response		Amount	Recovered				
		Description	Type of Material	and	Released				
	all significant as needed for	•			Location				
	Record below 2013. Update		:	Spill or Leak	(S/L)				
	Directions: February 1,		í	Date (Month,	Day, Year)				

APPENDIX B REGULATORY AGENCIES

REGULATORY AGENCIES

- National Response Center
 Open 24 hours per day, 365 days per year
 Telephone (800) 424-8802
- 2. Emergency Response Staff
 Mississippi Department of Environmental Quality
 2380 Highway 80 West
 Jackson, Mississippi 39289
 Telephone (601) 354-9100 (24 hour)
- 3. Mississippi Emergency Management Agency 1410 Riverside Drive Jackson, Mississippi 39202 Telephone (601) 352-9100 (24 hour)
- 4. Hinds County Emergency Management Agency Mr. Ricky Moore 300 North State Street Jackson, Mississippi 39201 Telephone (601) 960-1476

APPENDIX E EMPLOYEE TRAINING

APPENDIX E EMPLOYEE TRAINING

prevention and response, good housekeeping, and material management practices. Provide a schedule for the training program and Instructions: Describe the employee training program for your facility below. The program should at a minimum, address spill All full time employees All full time employees All full time employees All full time employees Who will Attend? **Proposed Frequency** of Training Annual Annual Annual Annual Program/Materials (e.g. film, seminar, staff Brief Description of Scheduled Training list the employees who attend training sessions. Staff Meetings Staff Meetings Staff Meetings Staff Meetings meetings) Training Topics Material Management Spill Prevention and Response Good Housekeeping Other Topics Practices

APPENDIX F NOTICE OF TERMINATION FORM

Request for Termination (RFT) of Coverage



Mining General NPDES Permit No. MSR32 County

(Fill in your Certificate of Coverage Number and County)

(1	Fill in your Certificate	of Coverage Number and C	ounty)
			copped and permanent erosion and sediment eceives written notice of coverage termination by
Please check which of the following apply	:		
Non-Exempt Mining Operation (co	py of Permit Board Ord	ler, authorizing 90% or final	release of mining performance bond attached)
Exempt Mining Operation (as defin	ned in MDEQ's Mississi	ppi Surface Mining and Recla	amation Rules and Regulations)
	(Plear	se Print or Type)	
			sure Date:
Physical Site Street Address (if not available, it	ndicate nearest named road	1):	
City:		County:	
Landowner Company Name:			
Landowner Company Contact Name and Positi	ion:		
Street Address / P.O. Box:			
City:		State:	Zip:
Tel. # ()			
Operator Company Name (if different than own	ner):		- 1990 (CH 20 C
Operator Contact Name and Position:			
Street/ Address / P.O. Box:			
City:		State:	
Tel. # ()			
that qualified personnel properly gathered and eva persons directly responsible for gathering the info aware that there are significant penalties for subm that by submitting this Request for Termination ar activity under this general permit. Discharging po	iluated the information submitimation, the information sub- itting false information, inclind receiving written confirmabilitiants in storm water associated a NPDES permit. I also up a NPDES permit.	nitted. Based on my inquiry of the omitted is, to the best of my knowle uding the possibility of fines and in ation, I will no longer be authorized trated with industrial activity to wa inderstand that the submittal of this	
Authorized Name (Print)	Telephone	Signature	Date Signed
¹ This application shall be signed according to the	General Permit, ACT 15, T-	4 as follows	

For a corporation, by a responsible corporate officer.

Jackson, MS 39225

- For a partnership, by a general partner
- For a sole proprietorship, by the proprietor
- For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official

After signing please mail to

Environmental Permits Division, Office of Pollution Control P.O. Box 2261

Revision 2/16/2018

APPENDIX C

NON-STORM WATER DISCHARGE EVALUATION AND CERTIFICATION

APPENDIX C NON-STORM WATER DISCHARGE EVALUATION AND CERTIFICATION

		NON-SIOKN WAIE	KW WAIER DISCHARGE EVALUATION AND CERTIFICATION	IN AIND CERTI	FICATION	
Outfall No.	Date of Evaluation	Method Used to Evaluate Discharge	If Evaluation is Not Possible, Give Reason	Is Non- Storm Water Being Discharged? (Y/N)	List Likely Sources of Non- Storm Water Discharge	Person(s) Who Conducted the Test or Evaluation
		Visual Inspection			Diesel AST	
		Visual Inspection			Exposed Soil	
		Visual Inspection			Exposed Concrete	
		Visual Inspection			Exposed Asphalt	
			CERTIFICATION			
I certify under	I certify under the penalty of law that is,	aw that is, to the best o	to the best of my knowledge and belief, true, accurate, and complete	accurate, and con	nplete	
A. Nam	ne and Official	Name and Official Title (type or print)		B. Area Code a	B. Area Code and Telephone No.	
B. Signature	ature			D. Date Signed		
					: 	

APPENDIX D MONTHLY INSPECTION FORM

COVERAGE NUMBER (MSR32 _____) INSPECTION YEAR ____ SITE INSPECTION REPORT AND CERTIFICATION FORM MINING GENERAL PERMIT



Results of the inspection by ACT7 of this permit shall be recorded on this report form and in addition, copies of all completed forms shall be retained onsite or locally available. Inspections must be performed monthly and after a 2-year, 24-hour storm event (approx. 6-inches on Gulf Coast to 4-inches at MS/TN State Line). The coverage number must be listed at the top of all Site Inspection Report and Certification Forms.

		COVERAGE RECII	PIENT INFORMATION			
COMPANY NAME:			MINE NAME:			
MINE LOCATION:			GEOLOGY APPLICATION/PERMIT NO.			
			STATE:	ZIP:		
		INSPECTION DO	CUMENTATION			
DATE (mm/dd/yy)	TIME (hh:mm AM/PM)	AFTER 2-YEAR, 24- HOUR STORM EVENT? (CHECK IF YES)	ANY DEFICIENCIES? (CHECK IF YES)	INCRECTOR(C)		
(5111211 65 651 7 7 7 7	(IIII.IIIIII PAIVII IVI)	(CHECK IF TES)	(CHECK IF YES)	INSPECTOR(S)		
Deficiencies Noted Deci		. ()				
Deficiencies Noted Duri	ing any inspection (give da	te(s); attach additional sheets if ne	cessary):			
	<u> </u>					
Corrective Action Taker	n or Planned (give date(s);	attach additional sheets if necessar	y):			
mamiamed, except for ti	nose deficiencies noted abo	ove, in accordance with the Storm	ducted, I certify that all crosion and Water Pollution Prevention Plan file the MNOI and SWPPP information	d sediment controls have been implemented and with the Office of Pollution Control and sound on file with MDEQ is up to date.		
quanned personner prop	erly gather and evaluate th	ne information submitted. Based of generate and control and belief, true, accurate and control and con	on my inquiry of the person or perso	accordance with a system designed to assure that ones responsible for gathering the information, the nificant penalties for submitting false information,		
Authorized Signature			Date	· · · · · · · · · · · · · · · · · · ·		
Printed Name			Title			