wood.

July 18, 2019

Environment & Infrastructure Solutions
1075 Big Shanty Road, Suite 100
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USA

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www.woodplc.com

Ms. Carolyn L. Daniels, P.G.
Georgia Environmental Protection Division
Response & Remediation Program
Land Protection Branch
2 Martin Luther King Jr. Drive, SE
Suite 1054 East Floyd Tower
Atlanta, Georgia 30334-9000

Subject: **Response to Georgia Environmental Protection Division May 16, 2019 Comments on the VRP CSR Addendum and 2018 Annual Monitoring and Inspection Report**
Thermo King Corporation - Louisville, Jefferson County, Georgia
HSI Site No. 10702 Tax Parcel 0090-024
Wood Project 6122-09-0322

Dear Ms. Daniels:

Wood Environment & Infrastructure Solutions, Inc., on behalf of Thermo King Corporation, is hereby submitting the attached Responses to the Georgia Environmental Protection Division May 16, 2019 Comments on the VRP CSR Addendum and to the 2018 Annual Monitoring and Inspection Report for the Thermo King Corporation in Louisville, Jefferson County, Georgia (HSI Site No. 10702, Tax Parcel 0090-024).

Sincerely,

Wood Environment & Infrastructure Solutions, Inc.

Rhonda N. Quinn, P.G.
Senior Geologist
Georgia Registration# 1031

A. David Alcott
Senior Associate Engineer

Enclosures: Certification, Response to Comments, Attachments 1 and 2

cc: Michael Goldstein – Ingersoll Rand Company
Dave Sordi – BSI Group

REVISED OPERATION AND MAINTENANCE PLAN AND INSPECTION SCHEDULES FOR ENGINEERING CONTROLS
7/18/2019

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted I, 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/or knowing violations.

Michael Goldstein	Remediation Manager
NAME (Please type or print)	TITLE

July 16, 2019

SIGNATURE

DATE

RESPONSE TO GEORGIA ENVIRONMENTAL PROTECTION DIVISION COMMENTS DATED MAY 16, 2019 FOR THE THERMO KING CORPORATION SITE – LOUISVILLE, JEFFERSON COUNTY, GEORGIA

Comment #1: Item #8 of the site UEC states that permanent markers are to be installed and maintained to delineate the restricted areas where engineering controls are to be used to prevent unacceptable exposure (e.g., the concrete building slab/surface pavement and the rip-rap blanket referenced in Condition #2.b. below). Please provide documentation of the installation of said markers (include photographs) at each of the engineered control areas (the concrete building slab and part of the adjacent paved parking lot and the rip rap area).

Response to Comment #1:
A total of 27 permanent marker signs have been installed on the Thermo King Site. Figure D-3 provided in Attachment 1 shows the locations of the signs. Also included in Attachment 1 is the text presented on the marker signs. Photographs of the signs are provided in Attachment 2. The signs are installed along the property boundary and along the fence enclosing the main manufacturing building. Marker signs were also installed around the specific boundary of the engineering control consisting of a portion of the building concrete floor slab and adjacent exterior paved area delineating the Type 5 RRS area of the former degreaser operations. Additionally, marker signs were installed around the rip-rap blanket engineering control.

Comment #2: The O&M Plan Engineering Control O&M Plan and Inspection Schedules for engineering controls as provided in Appendix D of the December 2019 VRP CSR should be modified to include:

***a. Land Use/Access and Groundwater Use Limitations**: A checklist for inspecting/confirming: 1) Property access and 2) groundwater and land use limitations similar to the inspection checklists for the Soil Type 5 Compliance/Control and the Rip- Rap Control Areas.*

i. Please ensure that the following are inspected in addition to those items already included:
- *Presence and condition of fencing, gates and locks used to prevent unauthorized access to the Property.*
- *Inside areas of all onsite buildings, including storage sheds, etc., to ensure that activity/use limitations outlined in Item #6 of the UEC are complied with (e.g., land use, etc.).*
- *Presence, condition, and repair (as necessary), of the permanent markers referenced in Comment #1 above.*

ii. In addition, if applicable, there should be verification provided that:
- *The VRP Site meets the definition of non-residential property as defined in §391-3-19-.02(2)§.*
- *All leases or other property instruments for the site have the applicable deed notice langue inserted into them.*

***b. Groundwater Monitoring Wells:** A checklist for inspecting/confirming the condition, and repair (if necessary) of the remaining onsite monitoring wells.*

Response to Comment #2a:
Please see Attachment 1 for the revised O&M Plan for Engineering Controls for the requested checklists.

- A fence encloses the main manufacturing building as indicated on Figure D-4. An inspection checklist titled Access Control Equipment - Fence, Gates, and Locks is included in the revised O&M Plan will be used to inspect the presence and condition of the fencing, gates and locks. Within the rip-rap blanket, the vaults enclosing the two seeps (Seep MB#2 and Seep H) are secured with locks. An inspection item for the seep vaults is included on the Inspection Checklist for the Rip-Rap Blanket.

- Two building structures remain on the property, the main manufacturing building and the wastewater treatment building. Sheds and other ancillary buildings that were present on the property previously were demolished down to their slabs. The two remaining buildings to be inspected are shown on Figure D-4. The inspection checklist titled Inspection Checklist Land-Use Condition will be used to verify the property and buildings are being used for non-residential purposes. The checklist also includes items to verify there is no exposure to the groundwater and soil other than for remediation purposes. In addition, the checklist includes an item to verify the property instruments for the site have the applicable deed notice language inserted into them.

- The locations of the permanent marker signs are shown on Figure D-3. The Inspection Checklist Permanent Marker Signs will be used to verify the presence and condition of the marker signs.

Response to Comment #2b:
A checklist for inspecting the seven remaining monitoring wells titled Inspection Checklist Monitoring Well Integrity is included in the Revised O&M Plan for Engineering Controls provided in Attachment 1. The wells are shown on Figure D-4.

Comment #3: Repair/Corrective Measures to Maintain Compliance:
a. EPD approval to proceed with necessary/routine maintenance or repairs of engineered controls used to prevent human or ecological exposure (including, fencing, building structures, concrete slab, pavement, or rip-rap cover repairs) is not necessary and remedial actions should be conducted during or shortly after the time of inspection. If repairs cannot be conducted within 30-days of discovery, EPD shall be notified in writing within 30 days of discovery along with a description of the proposed repairs and a reasonable (60- to 90- day) schedule for completing said repairs.

b. EPD shall be notified in writing of any changes in land use (currently vacant) within 30- days of discovery and/or 60-days prior to a planned change in use along with a description of any necessary changes to exposure controls and a proposed implementation schedule for said changes.

Response to Comment #3:
Comment noted.

Maintenance of the rip-rap blanket is proposed to be conducted in third quarter 2019. Re-paving of the exterior area of the Type 5 RRS area associated with the former degreaser operations is proposed for before the end of the year or early next year.

Comment #4: Annual O&M and Land Use Inspections and Reporting:

a. Annual O&M Inspections and Reporting shall continue until engineering and land use restrictions are no longer necessary to prevent unacceptable human and/or ecological exposure. Specifically, soil and groundwater are in compliance with residential (Type 1 and/or Type 2, whichever is greater) RRS and seep water is in compliance with Georgia In-Stream Water Quality Standards.

b. Annual Engineering Controls O&M and Land Use Reports shall be submitted to EPD by no later than January 3151 beginning with January 31, 2020.

c. Future O&M and Land Use Reports shall include the following certification signed by a representative of the property owner/VRP participant:

> *I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted I, 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/or knowing violations.*

NAME (Please type or print)	TITLE
SIGNATURE	DATE

Response to Comments 4a and 4b:
Comments noted.

Response to Comment 4c:
The certification will be included in future reports.

Please note: EPD does not concur that it is necessary to revise the UEC as proposed in Section 4.0 of the December 2018 CSR Addendum at this time. The UEC should only be revised based on a change in existing conditions that cannot be addressed through the revision of the O&M Plan for implemented engineering controls, changes in land or groundwater use restrictions/limitations, and/or the removal of the permanent markers referenced in Comment #1 above.

Response:
Per EPD's direction, Ingersoll Rand will not revise the UEC at this time.
.

ATTACHMENT 1

REVISED OPERATION AND MAINTENANCE PLAN FOR ENGINEERING CONTROLS

REVISED
OPERATION AND MAINTENANCE PLANS AND INSPECTION SCHEDULES FOR ENGINEERING CONTROLS

Revised July 18, 2019

TABLE OF CONTENTS

TABLE OF CONTENTS - continued

Instructions for Completing the Type 5 RRS Area Engineering Control Encompassing the Building Concrete Floor Slab and Adjacent Exterior Area Inspection Checklist

1. The Type 5 RRS area consisting of the central portion of the building concrete floor slab where former degreaser operations were conducted and extending to an exterior adjacent area on the east side of the building shall be inspected annually. The inspection checklist shall be completed annually during the annual sampling event and whenever damage is detected or occurs in this area. Figure D-1 shows the location of the Type 5 RRS Area with the engineering control requiring inspection.
2. Drawings and photographs shall be used to document condition and deficiencies, if any, observed during the annual inspection. A figure(s) shall be included in the Slab and Exterior Maintenance/Repair and Re-inspection Report that shows the location of each area where maintenance or repair was conducted.
3. Where conditions are observed that require maintenance or repair, before and after photographs will be taken to document the condition observed and the subsequent maintenance or repair activity. A figure(s) will also be prepared that show the location and orientation of each photograph. These photographs and figures will be included in the Slab and Exterior Area Maintenance/Repair and Re-inspection Report.
4. The completed checklists and Slab and Exterior Area Maintenance/Repair and Re-inspection Report shall be retained for a period of 3 years.
5. These “instructions” shall be attached to the checklist.

Inspection Checklist

Engineering Control for Type 5 RRS Area Encompassing Building Concrete Floor Slab and Exterior Area Adjacent to the East Side of the Building (Figure D-1)

Thermo King Corporation, Louisville, Georgia

Condition	Yes	No	Description
1. Are there any cracks in the surface of the concrete floor slab or exterior east side area paving greater than 1/8" in width that would allow direct contact with the soil?			
a. Crack location:			
b. Crack length:			
c. Crack width:			
2. Are there any signs of settlement?			
a. Location of settlement:			
b. Severity of settlement:			
3. Is there any floor/wall separation on interior or exterior walls?			
a. Location of separation:			
b. Separation width:			
4. Is there any ponding of water?			
a. Location:			
b. Size (Diameter):			
5. Are expansion joints sealed?			
a. Location:			
b. Condition of sealing material:			
6. Are there areas where concrete or exterior area paving have been repaired/replaced?			
a. Location:			
7. Are there any areas of discoloration and/or staining in the concrete or exterior area paving?			
a. Location:			
b. Size (Diameter):			
c. Apparent Source:			
8. Is there any evidence of animals burrowing underneath the slab or exterior area paving?			
a. Location:			
b. Diameter of hole:			
9. Is the fence surrounding the building intact?			
a. Location of damage:			
b. Type of damage:			

Inspection Checklist

Engineering Control for Type 5 RRS Area Encompassing Building Concrete Floor Slab and Exterior Area Adjacent to the East Side of the Building (Figure D-1)

Thermo King Corporation, Louisville, Georgia

Condition	Yes	No	Description
10. Is vegetation growing up through slab or exterior area paving?			
a. Location of vegetation:			
b. Size of area:			

Additional Inspection Items	Y	N	N/A	Location
Abrasion				
Blistering				
Chemical Deterioration				
Honeycombing				
Pitting				
Reinforcement Corrosion				
Spalling				
Other				

Date of Inspection:	**Inspector:**	
Company:		(Print)
		(Signature)

7/17/2019

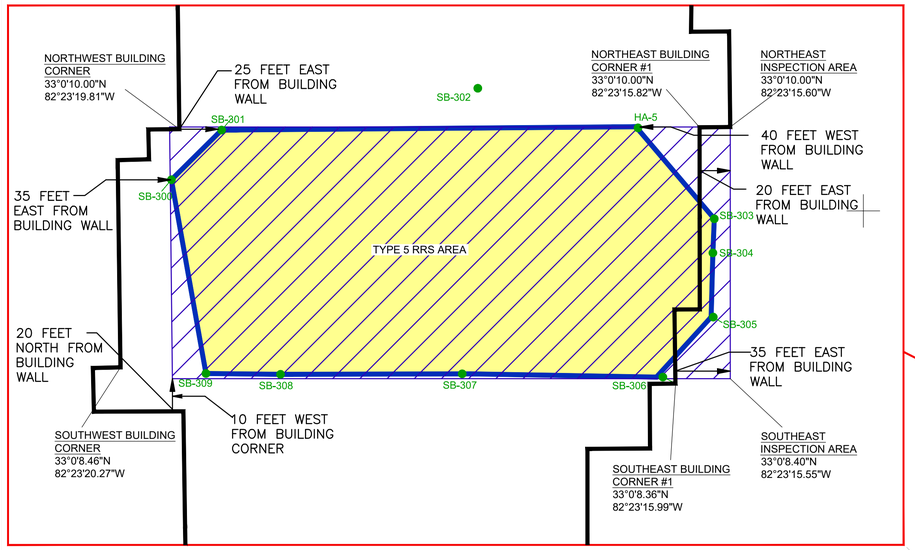
Building Floor Slab and Adjacent Exterior Area Maintenance/Repair and Re-Inspection Report

Item	Maintenance or Repairs Required	Conducted by	Date Completed	Re-Inspection Date and Initials

7/17/2019

Company: _____

Inspector: _____ **Date:** _____



INSET: LOCATION OF AREA TO INSPECT

SCALE IN FEET
0 50 100

ENVIRONMENTAL COVENANT IS APPLIED TO THE ENTIRE 110.5 ACRES OF THE THERMO KING CORPORATION PROPERTY

EXTENT OF RIPRAP BLANKET AREA ENGINEERING CONTROL FOR SEEPS

FORMER NORTH SETTLING POND

FORMER PROPANE TANK

THERMO KING MAIN BUILDING

WASTE WATER TREATMENT BUILDING

FORMER ELEVATOR DEGREASER

FORMER COMPRESSOR CROSS-ROD DEGREASER

FORMER SIDE-BY SIDE DEGREASER

FORMER SOUTH SETTLING POND

FORMER ABOVE GROUND STORAGE TANK

HAZARDOUS WASTE STORAGE AREA

BUILDING FLOOR SLAB AND EXTERIOR AREA ON THE ADJACENT EAST SIDE OF THE BUILDING DESIGNATED AS AN EXPOSURE BARRIER ENGINEERING CONTROL TO SOILS WITH CONCENTRATIONS GREATER THAN TYPES 1 THROUGH 4 RRS DESIGNATED AS TYPE 5 RRS AREA

THERMO KING PARCEL

STAFF GUAGE #1

STAFF GUAGE #2

SWAMP

FLOW

MANSON BRANCH

THERMO KING PARCEL

LEGEND

- MW-1 — GROUND-WATER MONITORING WELL INSTALLED TO TOP OF TWIGGS CLAY [UPPERMOST WATER-BEARING ZONE]
- MW-14 — GROUND-WATER MONITORING WELL INSTALLED BELOW UPPERMOST TAN AND BLUE-GRAY CLAYS OF THE TWIGGS CLAY [INTERMEDIATE WATER-BEARING ZONE]
- MW-24 — GROUND-WATER MONITORING WELL INSTALLED IN THE LOWER WATER-BEARING ZONE
- GW E-2 — DIRECT-PUSH TECHNOLOGY BORING FOR GROUND-WATER SAMPLING
- GW E-1 — SOIL BORING FOR SOIL AND GROUND-WATER SAMPLING
- SB-7 — SOIL BORING FOR SOIL SAMPLING
- SEEP A 299.0 — WATER SEEP WITH ELEVATION SAMPLED FOR SURFACE WATER FOR LABORATORY ANALYSIS
- SEEP 252.9 — WATER SEEP WITH ELEVATION
- MB #14 — MANSON BRANCH SURFACE WATER SAMPLING LOCATION
- STAFF GUAGE FOR MEASURING SURFACE WATER ELEVATION
- DYE INJECTION WELL
- SB-300 — SOIL BORINGS WITH VOC CONCENTRATION LESS THAN TYPES 1 THROUGH 4 RRS THAT DELINEATE THE TYPE 5 RRS AREA

MONITORING WELLS ABANDONED IN SEPTEMBER 2018: MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-15, MW-16, MW-17, MW-18, MW-21, MW-23, MW-26, MW-27, AND MW-28

MONITORING WELLS RETAINED: MW-5, MW-14, MW-19, MW-20, MW-22, MW-24, AND MW-25

- kd-1 — SOIL BORING FOR SOIL SAMPLING FOR SOIL PARTITION COEFFICIENT (kd) STUDY
- BUSH
- BUSHLINE
- TREE
- TREELINE
- HEDGE
- STREAM
- FENCE
- 300 — TOPOGRAPHIC CONTOUR
- DROP INLET
- LIGHT POLE
- TYPE 5 RRS AREA FORMER DEGREASER OPERATIONS
- AREA TO INSPECT
- 33° 0.140' N −82° 23.259' W — LATITUDE AND LONGITUDE COORDINATES FOR INSPECTION AREA

- CONSTITUENT CONCENTRATIONS IN SOIL DO NOT MEET TYPES 1 OR 2 OR 3 OR 4 RISK REDUCTION STANDARDS (RRS).
- CONSTITUENT CONCENTRATIONS IN GROUNDWATER DO NOT MEET TYPES 1/3 OR 2 OR 4 RISK REDUCTION STANDARDS (MOST RECENT GROUNDWATER ANALYTICAL RESULTS PER LOCATION USED)
- CONSTITUENT CONCENTRATIONS IN SEEP WATER GREATER THAN IN-STREAM WATER QUALITY CRITERIA ISWQC (MOST RECENT ANALYTICAL RESULTS PER LOCATION USED).
- EXTENT OF HSRA DEFINED SITE
- THERMO KING PROPERTY BOUNDARY
- RIP-RAP BLANKET IS AN ENGINEERING CONTROL TO PRECLUDE THE SURFACE EXPRESSION OF SEEP WATER WITH CONCENTRATIONS GREATER THAN IN-STREAM WATER QUALITY CRITERIA (ISWQC)

SCALE IN FEET
0 200 400

SOURCE: TOPOGRAPHIC AND PROPERTY BOUNDARY SURVEYS BY SURVEYING SOLUTIONS, INC., JULY 2002 AND HOFFMAN & COMPANY INC., USING FEBRUARY 2002 AERIAL PHOTOGRAPH AND GROUND SURVEYING. 2000 SAMPLING LOCATIONS SURVEYED BY McGILL & ASSOCIATES OCTOBER 2000. 2003 AND 2004 SAMPLING LOCATIONS SURVEYED BY MACTEC ENGINEERING AND CONSULTING, INC. IN SEPTEMBER 2003 AND DECEMBER 2004. LOCATIONS OF FORMER NORTH AND SOUTH SETTLING PONDS APPROXIMATED FROM HISTORICAL AERIAL PHOTOGRAPHS.

DESIGNED	R. QUINN
DRAWN	T. GLADSTONE
CHECKED	R. QUINN
IN CHARGE	D. ALCOTT
DATE	7/16/2019

THERMO KING CORPORATION
LOUISVILLE, GEORGIA

wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

RISK REDUCTION STANDARDS COMPLIANCE MAP WITH LOCATIONS OF ENGINEERING AND INSTITUTIONAL CONTROLS

FIGURE: D-1

SCALE	AS SHOWN
CONTRACT	6122-09-0322
DWG. NO.	
REV	
PAGE NO	

J:\Thermo King\JULY 2019\RISK REDUCTION STANDARD_D-1.dwg — Layout1 07/17/2019 2:34pm Tonya.Gladstone

Instructions for Completing Soil Management Plan Checklist for the Building Sub-Slab and Adjacent Exterior Area

1. Prior to conducting proposed soil disturbing activities in the Type 5 RRS area sub-slab or in the exterior adjacent area on the east side of the building, the contractor shall prepare the following project-specific plans:
    - Project-Specific Sub-Slab and Adjacent Exterior Area Soil Disturbance and Management Plan
    - Health and Safety Plan
    - Waste Management Plan with decontamination procedures

2. Drawings and photographs shall be used to document conditions observed during the disturbance, soil management and restoration activities. A figure(s) shall be included in the Soil Disturbance Management Report that shows the location of those areas where sub-slab or adjacent exterior area soils will be disturbed. A figure(s) shall also be prepared that shows the location and orientation of each photograph. These before and after photographs will be taken to document the conditions observed and the subsequent soil management and restoration activity.

3. The completed checklists and Soil Disturbance Management Report shall be retained for a period of 3 years.

4. These “instructions” shall be attached to the checklist.

Soil Management Plan Checklist for the Type 5 RRS Area Sub-Slab and Adjacent Exterior Area
Thermo King Corporation, Louisville, Georgia

Condition	Status	Yes	No	Description/Comment
Preparing for Type 5 RRS Area Sub-Slab and Adjacent Exterior Area Soil Disturbance				
Due to contaminants present in the soil in the Type 5 RRS area sub-slab and the adjacent exterior area on the east side of the building, precautions will be taken to protect human health and ensure contaminated soils are properly managed.	Will the soil disturbance result in removal or modification of the main building floor slab or adjacent exterior east side of building area paving?			
	Where will the disturbance be conducted (attach figure)?			
	How deep will the disturbance be?			
	What is the reason for the disturbance?			
Because Thermo King is responsible for monitoring compliance with the Voluntary Remediation Plan and Environmental Covenant, they will be apprised of any changes or impacts to engineering controls (i.e. the building slab or rip-rap blanket) at the site.	Has Thermo King been apprised of the work to be conducted and has a Project-Specific Sub-Slab and Adjacent Exterior Area Soil Disturbance Management Plan for this project been completed? (attach Plan to this Checklist and provide copy to Thermo King)			
The Project-Specific Sub-Slab and Adjacent Exterior Area Soil Management Plan requires a Health and Safety Plan (HASP) that meets OHSA requirements and a Waste Management Plan (WMP) to be prepared. The HASP details actions that will be taken to protect human health during excavation activities and prevent exposure to soil contaminants including personal protective equipment needed, air monitoring, and dust control. The WMP will detail the management of the soil when excavated including sampling and segregation of contaminated soils, and offsite disposal. The WMP will also include an appendix with the project-specific decontamination procedures.	Has a HASP and Waste Management Plan been prepared? (attach both Plans to this checklist and provide copies to Thermo King)			
	Has guidance been provided to workers on what proper Personal Protective Equipment (PPE) is required and has PPE been provided to workers?			
	Has equipment been provided to monitor air during the project and are personnel trained and have experience operating it?			
	Is the equipment needed to control dust in place and have workers been instructed in steps to take to control dust?			

Condition	Status	Yes	No	Description/Comment
Conduct Soil Disturbance				
Prior to disturbing the building slab or the pavement on the adjacent exterior area (Type 5 RRS area), utilities will be identified and marked.	Are utilities located and marked?			
Due to contaminants present in the soil in the Type 5 RRS area sub-slab and the adjacent exterior area on the east side of the building, active monitoring using a PID or equivalent monitor will be used to screen soil and protect human health	Will a PID or equivalent detector and particulate meter be used to screen the breathing zone for health and safety purposes? If not, what will be used?			
	Has a log sheet been provided to record measurements taken during the project?			
Describe soil disturbance (excavation, trenching, or drilling, etc.)				
Contaminated materials, including soils and concrete/asphalt will be properly segregated from non-contaminated soils, and managed according to environmental regulations.	Were contaminated materials separated from non-contaminated materials based on visual staining, olfactory evidence and/or elevated PID screening results?			
	Were contaminated materials placed on and covered with plastic sheeting, protected from contact with storm water and staged in a location where there will be no contact with people or non-contaminated materials? Do not store contaminated materials inside of facility.			
The area will be restored to original construction conditions.	Was disturbed area restored by backfilling with clean fill, soil or gravel and compacted to provide support for the new section(s) of concrete floor slab or the paving in the adjacent exterior area?			
	Was the concrete floor slab or adjacent exterior paving restored to the thickness of the original slab with matching reinforcement and expansion joints, as appropriate, to equivalent condition prior to disturbance?			
Equipment used for excavation will be decontaminated prior to demobilizing from site.	Was equipment decontaminated? Were materials used to decontaminate equipment properly containerized?			

Condition	Status	Yes	No	Description/Comment
Post Soil Disturbance for Slab and Adjacent Exterior Area				
Contaminated soils and decontamination materials will be disposed of according to local, state, and federal regulations including proper characterization.	Were representative composite samples collected of the contaminated soils and decontamination materials and analyzed for constituents of concern (site VOCs) and other parameters (at a minimum pH and flash point/ignitibility and TCLP for D-listed chlorinated solvents) required by the disposal facility?			
	Was the disposal facility selected based on analytical results and permitted ability to receive contaminated soil?			
	Were the contaminated soils and decontamination materials contained, characterized and disposed of properly within 30 days of excavation? Hazardous Wastes are to be removed from the site and properly disposed of off-site in less than 90 days. (Attached disposal records including manifests and certificates of disposal to this checklist)			
A Soil Disturbance Management Report will be prepared and attached to this Checklist and provided to Thermo King. The Report will include a description of the project, field notes and monitoring information, equipment decontamination documents, clean fill data, waste analysis, waste manifests, and disposal certifications. Photos taken to document the project will also be included in the report.	Is the description and documentation of soil disturbance activities documented with photographs, drawings, and/or surveying?			
	Is the description and documentation of how the soils were managed including waste sampling procedures, waste analytical results, manifests, and disposal certificates included in the report?			
	Were the description and documentation of the restoration of the disturbed areas documented with photographs and drawings?			

Person Who Completed Checklist: _____ Company: _____ Date: _____

Instructions for Completing the Rip-Rap Blanket Inspection Checklist

1. The Rip-Rap Blanket inspection checklist shall be completed annually and whenever damage is detected or occurs in this area. The blanket will also be inspected after a 25-year, 24-hour rainfall event (i.e., more than 6 inches of rain in 24-hours).
2. Drawings and photographs shall be used to document condition and deficiencies, if any, observed during the annual inspection. Figure D-2 shows the location and extent of the rip-rap blanket and the attached photos show the condition of the rip-rap blanket after construction. The condition of the blanket at the time of inspection will be compared to previous photographs to assist with gauging if repairs or maintenance is needed. A figure(s) shall be included in the Rip-Rap Blanket Maintenance/Repair and Re-inspection Report that shows the location of each area determined to require maintenance or repair.
3. Where conditions are observed that require maintenance or repair, before and after photographs will be taken to document the condition observed and the subsequent maintenance or repair activity. A figure(s) will also be prepared that show the location and orientation of each photograph. These photographs and figures will be included in the Rip-Rap Blanket Maintenance/Repair and Re-inspection Report.
4. The completed checklists and Rip-Rap Blanket Maintenance/Repair and Re-inspection Report shall be retained for a period of 3 years.
5. These “instructions” shall be attached to the checklist.

Inspection Checklist

Engineering Control Consisting of the Rip-Rap Blanket – Thermo King Corporation, Louisville, Georgia

Inspection Item	Observation		Condition			Weather Conditions:_____
	Yes	No	NA	MN	IA	Comments (Indicate Locations on Figure D-2 and Attach)
1. Access Road						
Erosion						
Ruts/Depressions						
Excess Vegetation/Fallen Trees						
2. Rip-Rap Flume To Check Dam						
Erosion						
Settlement of Rip-Rap						
Sediment Build-up in Check Dam						
Excess Vegetation/Fallen Trees						
3. MB#2 Rip-Rap Blanket						
Erosion						
Settlement of Rip-Rap						
Water Flowing on Surface						
Sediment Build-up/Plugging						
Excess Vegetation/Fallen Trees						
Sampling Vault Condition						
Sampling Vault Secured with Locks						
4. Seep H Rip-Rap Blanket						
Erosion						
Settlement of Rip-Rap						

Inspection Checklist

Engineering Control Consisting of the Rip-Rap Blanket - Thermo King Corporation, Louisville, Georgia

Inspection Item	Observation		Condition			Weather Conditions:_____
	Yes	No	NA	MN	IA	Comments (Indicate Locations on Figure D-2 and Attach)
4. Seep H Rip-Rap Blanket-continued						
Water Flowing on Surface						
Sediment Build-up/Plugging						
Excess Vegetation/Fallen Trees						
Sampling Vault Condition						
Sampling Vault Secured with Locks						
5. Vegetated Embankment						
Erosion						
Fallen Trees						
Bare Spots						
6. Other Observations						

Date of Inspection:		**Inspector:**	
Company: -		(Print)	
		(Signature)	

7/17/2019

NA = No Action Needed
MN = No Maintenance Needed
IA = Immediate Attention Needed

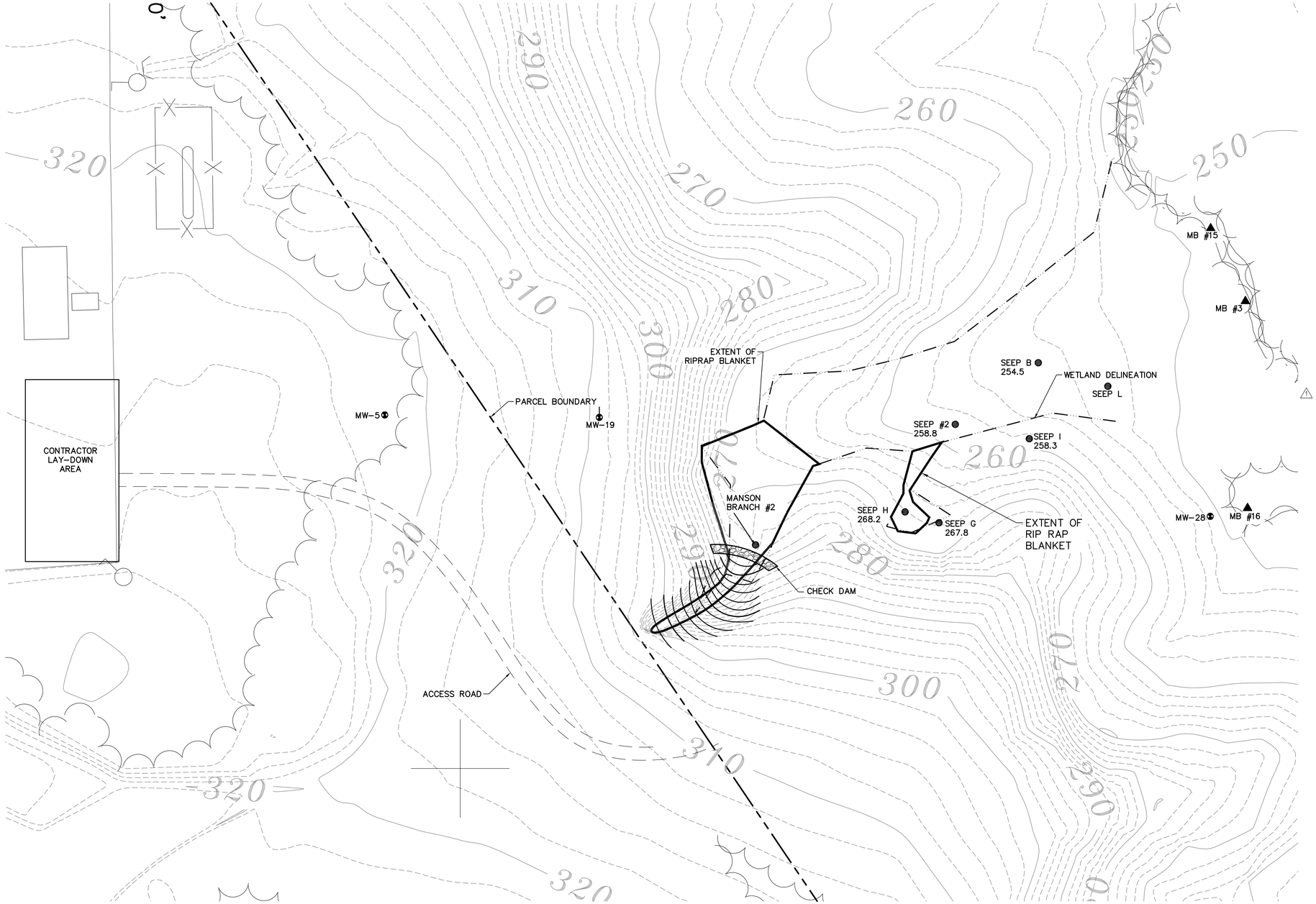
Rip-Rap Blanket Maintenance/Repair and Re-Inspection Report

Item	Maintenance or Repairs Required	Conducted by	Date Completed	Re-Inspection Date and Initials

7/17/2019

Company: _____

Inspector: _____ **Date:** _____



LEGEND

- GROUNDWATER MONITORING WELL INSTALLED TO TOP OF TWIGGS CLAY (UPPERMOST WATER-BEARING ZONE)
- WATER SEEP WITH ELEVATION. SAMPLED FOR SURFACE WATER FOR LABORATORY ANALYSIS
- MANSON BRANCH SURFACE WATER SAMPLING LOCATION
- WETLAND DELINEATION
- EXTENT OF RIPRAP BLANKET
- 300 MAJOR EXISTING CONTOUR
- MINOR EXISTING CONTOUR
- CONTOUR AFTER RIPRAP CONSTRUCTION
- 10' WIDE CONSTRUCTION HAUL ROAD

DESIGNED	
DRAWN	T. GLADSTONE
CHECKED	R. QUINN
IN CHARGE	D. ALCOTT
DATE	11/12/2018

THERMO KING CORPORATION
LOUISVILLE, GEORGIA

wood.

ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

RIPRAP BLANKET AREA

FIGURE D-2

SCALE	AS SHOWN
CONTRACT	6122-09-0322
DWG. NO.	
REV	
PAGE NO	

J:\Thermo King\OCT 2018\RIPRAP BLANKET AREA.dwg — PROPOSED IMPROVEMENTS 11/13/2018 11:44am Tonya.Gladstone

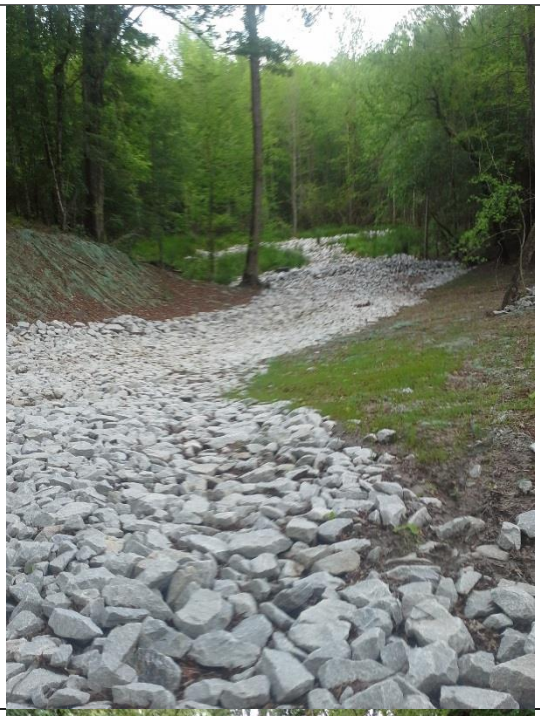
PHOTOGRAPHS OF THE RIP-RAP BLANKET

Thermo King Rip Rap Blanket
Louisville, Georgia
Photographic Log

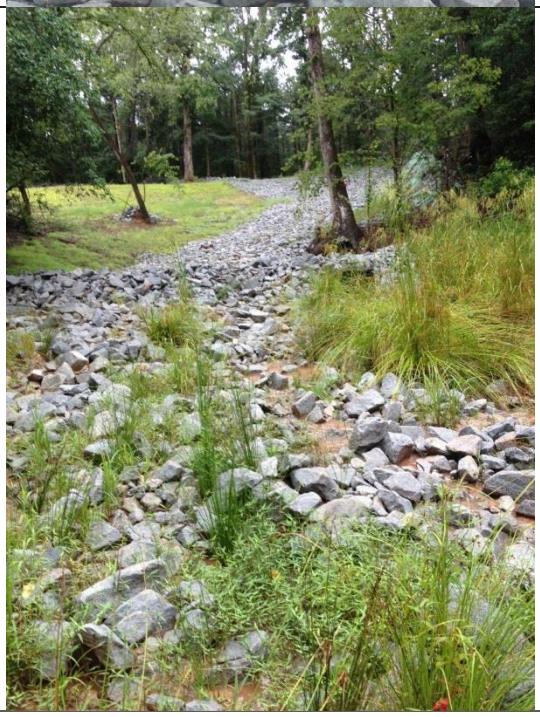
Client: Ingersoll Rand
Location: ThermoKing, Louisville, Georgia
Project: Riprap Blanket Install
Date: 5/12/12
Photo #: 155
Photographer: P. Gazzo
Description: Riprap around seep MB#2 looking down from top of slope

Client: Ingersoll Rand
Location: ThermoKing, Louisville, Georgia
Project: Riprap Blanket Install
Date: 5/17/12
Photo #: 183
Photographer: P. Gazzo
Description: Flume leading down to riprap blanket at MB#2 with erosion control matting laid

Thermo King Rip Rap Blanket
Louisville, Georgia
Photographic Log



Client: Ingersoll Rand
Location: ThermoKing, Louisville, GA
Project: Riprap Blanket Inspection
Date: 4/29/13
Photo #: 184826
Photographer:
Description: Riprap blanket looking down at MB#2 from top of slope



Client: Ingersoll Rand
Location: ThermoKing, Louisville, GA
Project: Riprap Blanket Inspection
Date: 7/12/13
Photo #: 0622
Photographer:
Description: Looking up at top of slope from check dam near MB#2

Thermo King Rip Rap Blanket
Louisville, Georgia
Photographic Log

Client: Ingersoll Rand
Location: ThermoKing, Louisville, GA
Project: Riprap Blanket Inspection
Date: 1/9/14
Photo #: 077
Photographer:
Description: Riprap blanket looking down at MB#2 from top of slope

Client: Ingersoll Rand
Location: ThermoKing, Louisville, GA
Project: Riprap Blanket Inspection
Date: 1/9/14
Photo #: 078
Photographer:
Description: Riprap blanket and check dam at MB#2

Thermo King Rip Rap Blanket
Louisville, Georgia
Photographic Log

Client: Ingersoll Rand
Location: ThermoKing, Louisville, GA
Project: Riprap Blanket Inspection
Date: 7/9/15
Photo #: 5058
Photographer:
Description: Riprap blanket and check dam at MB#2

Client: Ingersoll Rand
Location: ThermoKing, Louisville, GA
Project: Riprap Blanket Inspection
Date: 12/16/15
Photo #: 131722
Photographer: P. Gazzo
Description: Riprap blanket looking down at MB#2 from top of slope

Thermo King Corporation
Louisville, Georgia

Photographic Log
June 25 & 26, 2019

Manson Branch # 2 Seep	Secured seep access looking S towards check dam

Seep Contact Restriction	wood.	*1430 Highway 24 East* *Louisville, Jefferson County, Georgia*

Manson Branch # 2 Seep	Seep access secured with padlocks looking N

Seep Contact Restriction	wood.	*1430 Highway 24 East* *Louisville, Jefferson County, Georgia*

Thermo King Corporation
Louisville, Georgia

Photographic Log
June 25 & 26, 2019

Seep H	Secured seep access looking NE and downgradient

Seep Contact Restriction	wood.	*1430 Highway 24 East* *Louisville, Jefferson County, Georgia*

Seep H	Seep access secured with padlocks looking SW

Seep Contact Restriction	wood.	*1430 Highway 24 East* *Louisville, Jefferson County, Georgia*

Instructions for Completing the Permanent Marker Signs Inspection Checklist

1. Permanent marker signs have been installed on the Thermo King Corporation property stating an environmental covenant is applied to the property and that engineering controls are used to eliminate exposure to soil and water impacted by volatile organic compounds (VOCs). The marker signs were installed in accordance with the Site's Environmental Covenant and the Georgia Hazardous Sites Response Act. Permanent marker signs are installed along the property boundary and along the fence enclosing the main manufacturing building. Permanent marker signs are also installed around the two engineering controls to delineate the boundaries of the two restricted areas, 1) the Type 5 RRS area consisting of the central portion of the building concrete floor slab where former degreaser operations were conducted and extending to the exterior adjacent area on the east side of the building, and 2) the rip-rap blanket covering seeps with VOCs concentrations greater than in-stream water quality criteria.
2. The permanent marker signs shall be inspected annually. The inspection checklist shall be completed annually during the annual sampling event and whenever damage is detected or occurs. Photographs will be taken of the marker signs that are damaged or need to be replaced to document their condition for repairs. Figure D-3 shows the locations of the permanent marker signs requiring inspection.
3. Drawings and photographs shall be used to document condition and deficiencies, if any, observed during the annual inspection. A figure(s) shall be included in the Permanent Marker Signs Inspection Checklist showing the location of each sign identified to require maintenance, repair, or replacement.
4. Where conditions are observed that require maintenance or repair, before and after photographs will be taken to document the condition observed and the subsequent maintenance or repair activity. A figure(s) will also be prepared that shows the location and orientation of each photograph. The Maintenance/Repair and Re-inspection Form for Permanent Marker Signs, Fence, and Monitoring Wells will be completed when maintenance or repairs are conducted. These photographs and figures will be attached to the completed Maintenance/Repair and Re-inspection Form for Permanent Marker Signs, Fence, and Monitoring Wells.
5. The completed checklists and the Maintenance/Repair and Re-inspection Form for Permanent Marker Signs, Fence, and Monitoring Wells shall be retained for a period of 3 years.
6. These "instructions" shall be attached to the checklist.

Inspection Checklist
Permanent Marker Signs
Thermo King Corporation, Louisville, Georgia

Area Where Signs Are Installed	Sign Number (See Figure D-3)	Sign In Place (Y/N)	Condition	Information on Sign Legible (Y/N)	Replacement Needed (Y/N)	Damage (Y/N), if yes explain
Signs Along the Property Boundary	1					
(6 signs for the area - see Figure D-3)	2					
	3					
	4					
	5					
	6					
Signs Along Fence Enclosing Main Building	7					
(10 signs for the area - see Figure D-3)	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
Type 5 RRS Area Signs	17					
Former Degreaser Area	18					
Inside the Building and	19					
Adjacent Eastern Exterior Area	20					
(7 signs for the area - see Figure D-3)	21					
	22					
	23					
Type 5 RRS Area Signs	24					
Rip-rap Blanket Covering Seeps	25					
(4 signs for the area - see Figure D-3)	26					
	27					

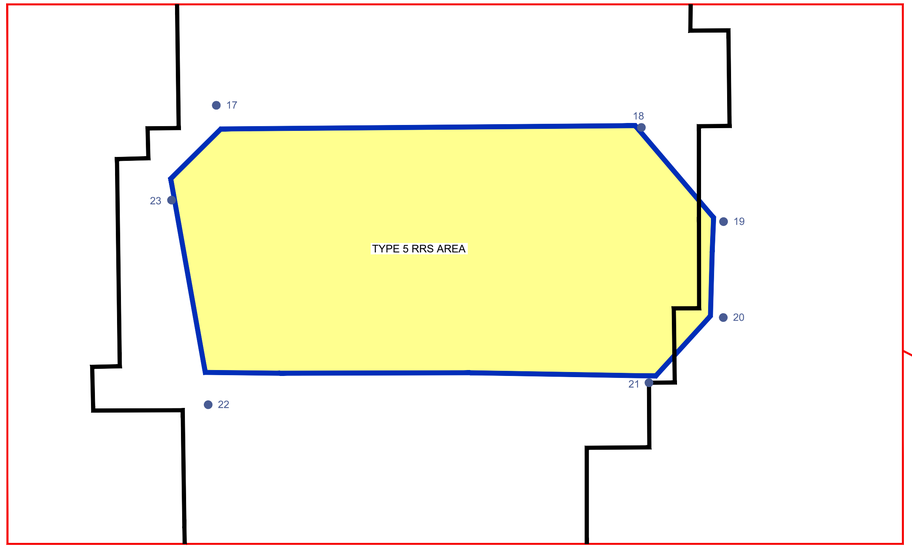
Inspection Checklist
Permanent Marker Signs
Thermo King Corporation, Louisville, Georgia

Repairs/Replacements:

Notes:
Attach photographs of signs needing repair or replacement

Inspector (printed):
Inspector (signed):
Company:
Date:

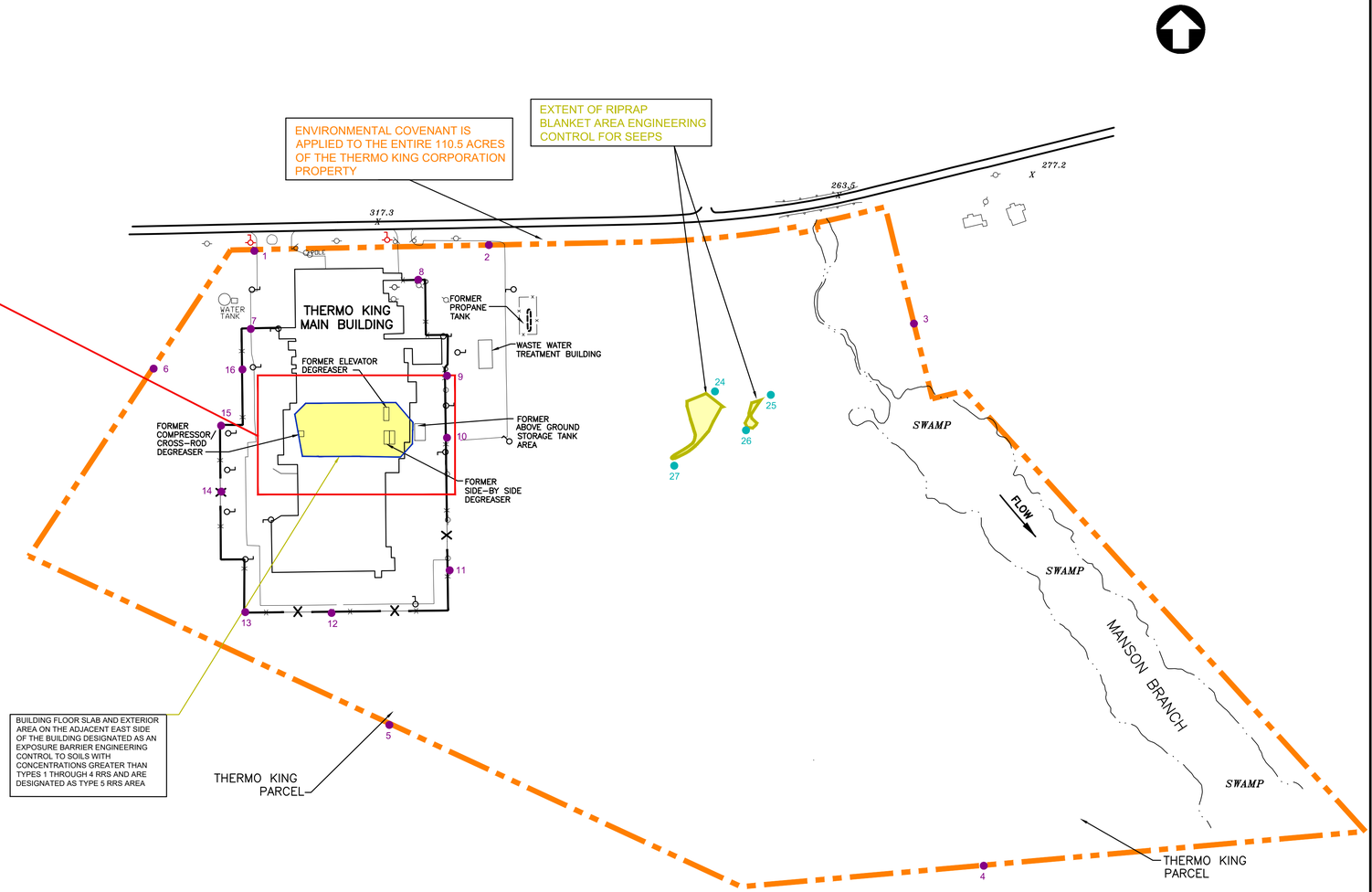
7/17/2019



INSET: TYPE 5 RRS AREA

SCALE IN FEET

0 50 100



SCALE IN FEET

0 200 400

LEGEND

- STREAM
- FENCE
- LIGHT POLE
- TYPE 5 RRS AREA FOR FORMER DEGREASER OPERATIONS
- THERMO KING PROPERTY BOUNDARY
- RIP-RAP BLANKET IS AN ENGINEERING CONTROL TO PRECLUDE THE SURFACE EXPRESSION OF SEEP WATER WITH CONCENTRATIONS GREATER THAN IN-STREAM WATER QUALITY CRITERIA (ISWQC)
- PROPERTY BOUNDARY AND MAIN BUILDING PERIMETER FENCE LINE ENVIRONMENTAL COVENANT NOTICE MARKERS
- RIPRAP BLANKET ENGINEERING CONTROL DELINEATION BOUNDARY NOTICE MARKERS
- TYPE 5 RRS (FORMER DEGREASER OPERATION AREA) ENGINEERING CONTROLS DELINEATION BOUNDARY NOTICE MARKERS
- 1 20 27 — MARKER NUMBER
- 33°00'03.81"N 82°23'18.51"W — GLOBAL POSITIONING SYSTEM (GPS) COORDINATES. MARKERS 17, 18, 21, 22 AND 23 ARE LOCATED INSIDE THE BUILDING AND DO NOT HAVE GPS COORDINATES

Marker	Latitiude	Longitude
1	33°00'14.46"N	82°23'21.30"W
2	33°00'14.82"N	82°23'13.17"W
3	33°00'12.66"N	82°22'57.93"W
4	32°59'56.67"N	82°22'54.84"W
5	33°00'00.99"N	82°23'16.71"W
6	33°00'11.07"N	82°23'24.72"W
7	33°00'12.24"N	82°23'21.21"W
8	33°00'13.77"N	82°23'15.75"W
9	33°00'10.71"N	82°23'14.52"W
10	33°00'08.79"N	82°23'14.55"W
11	33°00'05.37"N	82°23'14.61"W
12	33°00'03.81"N	82°23'18.51"W
13	33°00'03.90"N	82°23'21.54"W
14	33°00'07.44"N	82°23'22.56"W
15	33°00'09.51"N	82°23'21.96"W
16	33°00'11.13"N	82°23'21.75"W
19	33°00'09.54"N	82°23'15.60"W
20	33°00'08.82"N	82°23'15.60"W
24	33°00'09.93"N	82°23'05.19"W
25	33°00'09.81"N	82°23'03.57"W
26	33°00'09.00"N	82°23'04.26"W
27	33°00'07.92"N	82°23'06.78"W

SOURCE: TOPOGRAPHIC AND PROPERTY BOUNDARY SURVEYS BY SURVEYING SOLUTIONS, INC., JULY 2002 AND HOFFMAN & COMPANY INC., USING FEBRUARY 2002 AERIAL PHOTOGRAPH AND GROUND SURVEYING. 2000 SAMPLING LOCATIONS SURVEYED BY McGILL & ASSOCIATES OCTOBER 2000. 2003 AND 2004 SAMPLING LOCATIONS SURVEYED BY MACTEC ENGINEERING AND CONSULTING, INC. IN SEPTEMBER 2003 AND DECEMBER 2004. LOCATIONS OF FORMER NORTH AND SOUTH SETTLING PONDS APPROXIMATED FROM HISTORICAL AERIAL PHOTOGRAPHS.

DESIGNED	A. SHOREDITS
DRAWN	T. GLADSTONE
CHECKED	R. QUINN
IN CHARGE	D. ALCOTT
DATE	7/3/2019

THERMO KING CORPORATION
LOUISVILLE, GEORGIA

wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

SITE PLAN SHOWING ENVIRONMENTAL COVENANT AND ENGINEERING CONTROLS MARKER LOCATIONS

FIGURE: D-3

SCALE	AS SHOWN
CONTRACT	6122-09-0322
DWG. NO.	
REV	
PAGE NO	

TEXT FOR MARKER SIGNS INSTALLED ALONG PROPERTY BOUNDARY AND FENCE ENCLOSING MAIN BUILDING

NO TRESPASSING

This Property is listed on the Georgia Environmental Protection Division Hazardous Site Inventory (EPD HSI No. 10702). The Property is subject to an Environmental Covenant. EPD has determined that the implemented institutional and engineering controls are protective of human health and the environment. Contact Ingersoll Rand Company (704-990-3250) or Georgia EPD (404-657-8600) prior to conducting land or building floor slab disturbance activities or coming into contact with groundwater or seep water on this Property.

TEXT FOR MARKER SIGNS INSTALLED AROUND THE TYPE 5 RRS AREA AND RIP-RAP BLANKET

NO TRESPASSING

RESTRICTED AREA

This Property is listed on the Georgia Environmental Protection Division Hazardous Site Inventory (EPD HSI No. 10702). The Property is subject to an Environmental Covenant. EPD has determined that the implemented institutional and engineering controls are protective of human health and the environment. Contact Ingersoll Rand Company (704-990-3250) or Georgia EPD (404-657-8600) prior to conducting land or building floor slab disturbance activities or coming into contact with groundwater or seep water on this Property.

Instructions for Completing the Land-Use, Access Control Equipment - Fence, Gates, and Locks, and Monitoring Well Integrity Inspection Checklists

1. Per the property's Environmental Covenant, the property is restricted to non-residential use and the use of the groundwater, seep water, and soil are restricted to remediation purposes.
2. A fence encloses the main manufacturing building on the Thermo King Corporation property. The fence restricts access to the Type 5 RRS area consisting of the central portion of the building concrete floor slab where former degreaser operations were conducted and extending to the exterior adjacent area on the east side of the building. The vaults enclosing the seeps in the rip-rap blanks are secured with locks.
3. Seven groundwater monitoring wells remain on the property for potential future use in due diligence.
4. The land and buildings, the fence surrounding the main manufacturing building, and seven monitoring wells shall be visually inspected annually. The inspection checklists for the land use, fence, and monitoring wells shall be completed annually during the annual sampling event and whenever damage or a change in the property is detected or occurs. The interior of buildings along with the land will be visually inspected annually to confirm non-residential use. The property will be visually inspected to verify the groundwater, seep water, and soils are not being disturbed or used for non-remediation purposes. Photographs will be taken annually of the property and buildings to document the non-residential use. Figure D-4 shows the locations of the property buildings, fence, and monitoring wells requiring inspection.
5. Drawings and photographs shall be used to document condition and deficiencies, if any, observed during the annual inspection. Figures shall be included in the Land-Use Conditions, Access Control Equipment - Fence, Gates, and Locks, and Monitoring Well Integrity Inspection Checklists showing the location of the fence or monitoring well identified to require maintenance, repair, or replacement and the status of the land and building use.
6. Where conditions are observed that require maintenance or repair, before and after photographs will be taken to document the condition observed and the subsequent maintenance or repair activity. A figure(s) will also be prepared that shows the location and orientation of each photograph. The Maintenance/Repair and Re-inspection Form for Permanent Marker Signs, Fence, and Monitoring Wells will be completed when

maintenance or repairs are conducted. These photographs and figures will be attached to the completed Maintenance/Repair and Re-inspection Form for Permanent Marker Signs, Fence, and Monitoring Wells.

7. The completed checklists and the Maintenance/Repair and Re-inspection Form for Permanent Marker Signs, Fence, and Monitoring Wells shall be retained for a period of 3 years.
8. These “instructions” shall be attached to the checklist.

Inspection Checklist
Land-Use Conditions
Thermo King Corporation, Louisville, Georgia

TYPE	NUMBER	CRITERIA	YES	NO
Land Use	1	Does this VRP Site including the main manufacturing building and wastewater treatment building and the land as indicated on Figure D-4 meet the definition of non-residential property as defined in HSRA Rule 391-3-19.02(2)? "*Non-residential property* means any real property or portion of a property not currently being used for human habitation or for other purposes with a similar potential for human exposure, at which activities have been or are being conducted that can be categorized in one of the 1987 Standard Industrial Classification (SIC) major groups 01- 97 inclusive (except the four-digit codes 4941, 8051, 8059, 8062-3, 8069, 8211, 8221-2, 8351, 8661, and 9223). Non-residential property includes all of the contiguous block(s) and lot(s) controlled by the same owner or operator that are vacant land, or that are used in conjunction with such business. For leased properties, non-residential property includes the leasehold and any external tank, surface impoundment, septic system, or any other structure, vessel, contrivance, or unit that provides, or is utilized for the management of regulated substances to or from the leasehold"		
	1a	If No to #1, provide a written explanation.		
Groundwater Use On-Site	2	Are wells for drinking water or for any other non-remediation purposes installed or in use on the property?		
	2a	If Yes to #2, provide a written explanation.		
Soil Disturbance	3	Have excavation, construction, utility installation or maintenance, or similar soil disturbing activities been conducted at the site within the last year?		
	3a	If Yes to #3, provide a written explanation.		
Property Instruments	4	Do all leases or other property instruments for the site have the applicable deed notice language inserted into them?		
	4a	If No to #4, provide a written explanation.		

Inspection Checklist
Land-Use Conditions
Thermo King Corporation, Louisville, Georgia

Inspections	5	Date of Inspection:
	5a	Name of Inspector (printed):
	5b	Name of Inspector (signed)
	5c	Company:
	5d	Photographs showing current land use (attached)

7/17/2019

Inspection Checklist

Access Control Equipment - Fence, Gates, and Locks
Thermo King Corporation, Louisville, Georgia

Inspection Item	Observation		Condition			Weather Conditions:_____
	Yes	No	NA	MN	IA	Comments (Indicate Locations on Figure D-4 and Attach)
1. Perimeter Fence Surrounding Main Building						
1a. Holes, Breaches, or Deterioration in Fence						
1b. Evidence of Intrusion or Trespassing						
1c. Fence Covered in Vegetation or Trees Across Fence						
2. Gates Present on Perimeter Fence						
2a. Gates Intact, Closed and Locked						
2b. Locks on Gates Locked and In Good Working Condition						

Date of Inspection:	**Inspector:**	
Company:		(Print)
		(Signature)

7/17/2019

NA = No Action Needed
MN = No Maintenance Needed
IA = Immediate Attention Needed

Inspection Checklist
Monitoring Well Integrity
Thermo King Corporation, Louisville, Georgia

Site Name:	
Well ID:	
Date	

Complete one Checklist for each of the Site existing monitoring wells: MW-5, MW-14, MW-19, MW-20, MW-22, MW-24, and MW-25

		CONDITION	YES	NO	N/A	DESCRIPTION
1	**Location/Identification**					
	a	Is the well visible and accessible?				
	b	Is the well properly identified with the correct well ID?				
	c	Is the well in a high traffic area and does the well require protection from traffic?				
	d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)				
	e	Insect infestation in or around surface pad, protective casing or well casing?				
2	**Protective Casing**					
	a	Is the protective casing free from apparent damage and able to be secured?				
	b	Is the casing free of degradation or deterioration?				
	c	Is the annular space between casings clear of debris and water?				
	d	Is the well locked and is the lock in good condition?				
3	**Surface pad**					
	a	Is the well pad in good condition (not cracked or broken)?				
	b	Is the well pad sloped away from the protective casing?				
	c	Is the well pad in complete contact with the protective casing?				
	d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)				
	e	Is the pad surface clean (not covered with sediment or debris)?				
4	**Internal casing**					
	a	Does the cap prevent entry of foreign material into the well?				
	b	Is the internal casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?				
	c	Is the well properly vented for equilibration of air pressure?				
	d	Is the survey point clearly marked on the internal casing?				
	e	Is the depth of the well consistent with the original well log?				
	f	Is the casing stable? (or does the PVC move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)				

Inspection Checklist
Monitoring Well Integrity
Thermo King Corporation, Louisville, Georgia

		CONDITION	YES	NO	N/A	DESCRIPTION
5	**Sampling: Groundwater Wells Only:**					
	a	Does well recharge adequately when purged?				
	b	Does the well require redevelopment (low flow, turbid)?				
	c	Is sediment thickness greater than 10% of the well screen length?				

6	**Corrective actions needed:**

Inspector (printed):
Inspector (signed):
Company:
Date:

7/17/2019

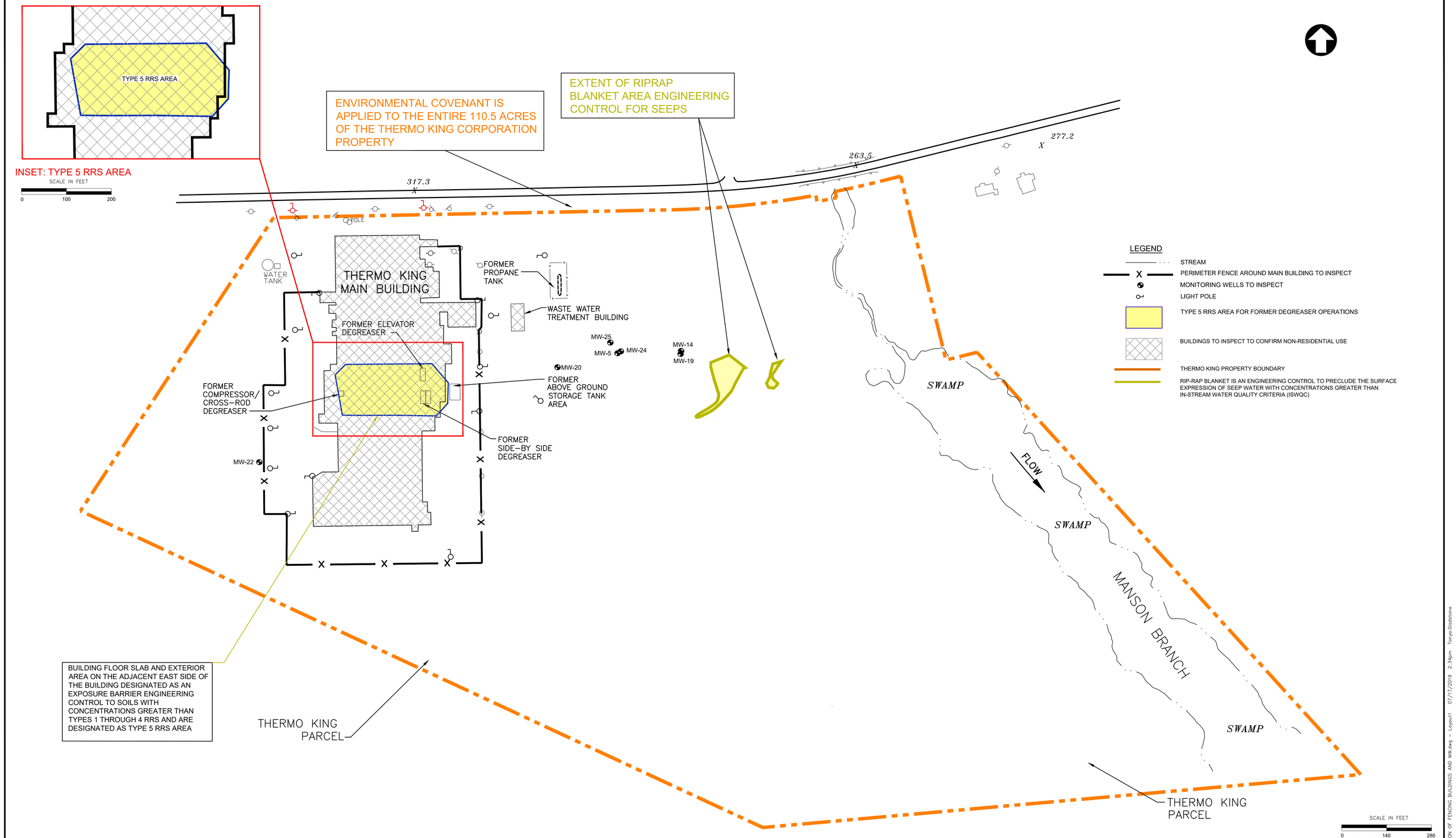
Permanent Marker Signs, Fence, and Monitoring Wells Maintenance/Repair and Re-Inspection Report

Item	Maintenance or Repairs Required	Conducted by	Date Completed	Re-Inspection Date and Initials

7/17/2019

Company: _____

Inspector: _____ **Date:** _____



SOURCE: TOPOGRAPHIC AND PROPERTY BOUNDARY SURVEYS BY SURVEYING SOLUTIONS, INC., JULY 2002 AND HOFFMAN & COMPANY INC., USING FEBRUARY 2002 AERIAL PHOTOGRAPH AND GROUND SURVEYING. 2000 SAMPLING LOCATIONS SURVEYED BY McGILL & ASSOCIATES OCTOBER 2000. 2003 AND 2004 SAMPLING LOCATIONS SURVEYED BY MACTEC ENGINEERING AND CONSULTING, INC. IN SEPTEMBER 2003 AND DECEMBER 2004. LOCATIONS OF FORMER NORTH AND SOUTH SETTLING PONDS APPROXIMATED FROM HISTORICAL AERIAL PHOTOGRAPHS.

DESIGNED	R. QUINN
DRAWN	T. GLADSTONE
CHECKED	R. QUINN
IN CHARGE	D. ALCOTT
DATE	7/8/2019

THERMO KING CORPORATION
LOUISVILLE, GEORGIA

wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

LOCATIONS OF FENCING, BUILDINGS, AND MONITORING WELLS TO INSPECT

FIGURE: D-4

SCALE	AS SHOWN
CONTRACT	6122-09-0322
DWG. NO.	REV PAGE NO

ATTACHMENT 2

PHOTOGRAPHS OF THE PERMANENT MARKER SIGNS

Thermo King Corporation
Louisville, Georgia

Photographic Log
June 25 & 26, 2019

Marker 1		Site NW entrance drive looking SE
Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 1		Closeup of marker sign looking towards SW
Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 2	Northern boundary of NE asphalt lot looking NW

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 2	Closeup of marker sign looking towards N

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 3		Eastern property boundary looking SW
Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 3		Closeup of marker sign looking towards W
Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 4	SE property boundary looking W.

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 4	Closeup of marker sign looking towards N

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 5	SW property boundary looking NE from field

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 5	Closeup of marker sign looking towards N

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 6	Western property boundary looking E to facility

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 6	Marker beside private property sign looking SW

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 7	Facility fence with truck entrance gate looking SE

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 7	Closeup of marker sign looking towards S

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 8	Facility fence line near NE corner looking SE

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 8	Closeup of marker sign looking towards S

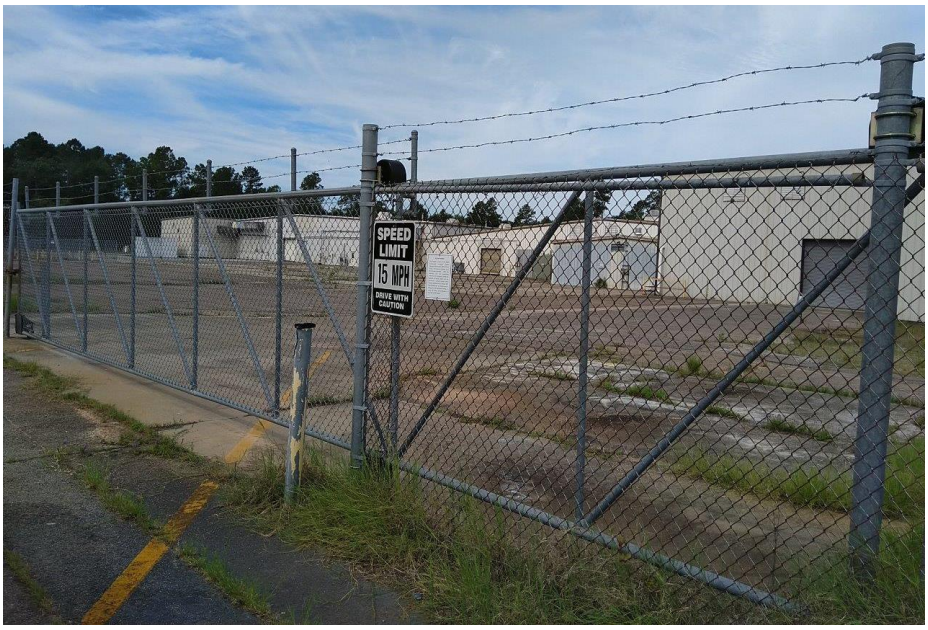
Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 9	Facility eastern fence line near turnstile looking NW

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 9	Closeup of marker sign looking towards W

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*



Marker 10	Facility fence line near eastern gate looking SW

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 10	Closeup of marker sign looking towards W

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 11	Facility fence line near SE corner looking W

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 11	Closeup of marker sign looking towards W

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 12	Facility southern fence line looking N

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 12	Closeup of marker sign looking towards N

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 13	Facility fence line at SW corner looking NE

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 13	Closeup of marker sign looking towards E

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 14	Facility western fence line looking E

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 14	Closeup of marker sign looking towards E

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 15	Facility western fence line turnstile looking SE

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 15	Closeup of marker sign looking towards S

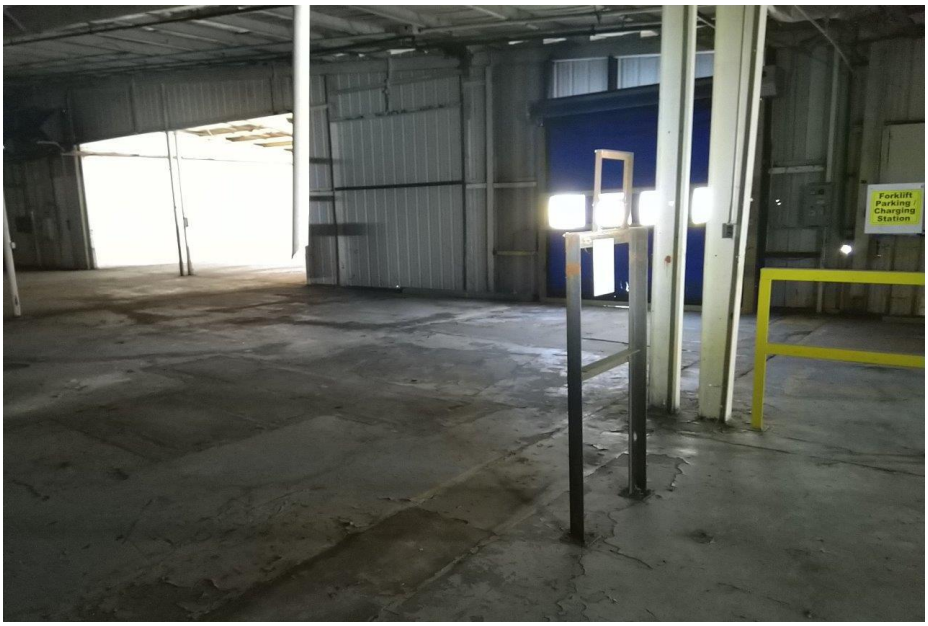
Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 16	Facility western fence line near NW corner looking E

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 16	Closeup of marker sign looking towards E

Environmental Covenant Site Demarcation Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*



Marker 17	NW corner delineation boundary looking SW

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 17	Closeup of area marker looking towards S

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 18	NE corner delineation boundary looking E

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 18	Closeup of area marker looking towards E

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 19	Eastern delineation boundary marker looking NW

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 19	Closeup of area marker looking towards W

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 20	Eastern delineation boundary marker looking NE

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 20	Closeup of area marker looking towards W

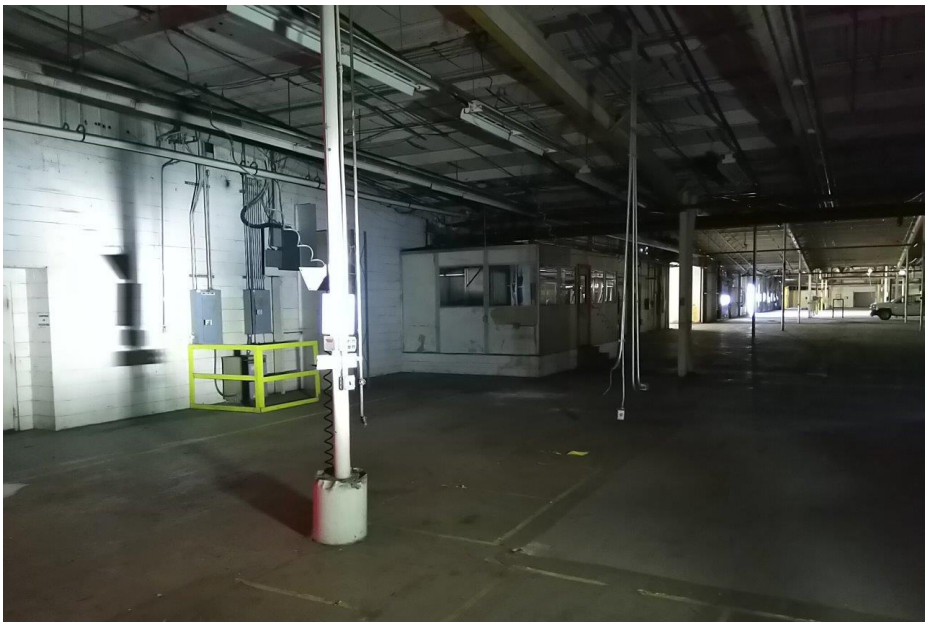
Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 21	SE corner delineation boundary looking SE

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 21	Closeup of area marker sign looking towards S

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*



Marker 22		SW corner delineation boundary looking NW
Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 22		Closeup of area marker sign looking towards NW
Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 23	Western delineation boundary marker looking E

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 23	Closeup of area marker looking towards E

Building Type 5 RRS Area Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Thermo King Corporation
Louisville, Georgia

Photographic Log
June 25 & 26, 2019

Marker 24		NW boundary looking SW towards clearing
Riprap Blanket Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 24		Closeup of marker looking towards S
Riprap Blanket Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 25		NE boundary looking SW along tributary channel
Riprap Blanket Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 25		Closeup of marker looking towards W
Riprap Blanket Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 26	SE boundary looking NE toward Seep H

Riprap Blanket Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 26	Closeup of marker looking towards N

Riprap Blanket Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 27	SW upgradient boundary marker looking NE

Riprap Blanket Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*

Marker 27	Closeup of marker looking towards NE

Riprap Blanket Delineation Marker Locations	wood.	*1430 Highway 24 East Louisville, Jefferson County, Georgia*