FEE SHEET FOR MEDICAL WASTE PERMITS

ADEM No.: 55950

Applicant: Monarch Waste Technologies

Location: 4618 Airport Road — County: 55

Rainbow City — State: Alabama

Permit No.: TRTS 080421-2802 — Date Application Received: 06/08/26

Permit Fees Required	Initial Issuance	Modification	Reissuance	Total
New Technology Review	$10,205	-	-	
Commercial Treatment Facility	$16,460	$7,280	$9,180	$7,280
Commercial Transportation of Medical Waste	$3,490	$1,460	$2,035	
Storage of Untreated Medical Waste	$2,630	$665	$1,960	

Additional Fees				
Geological Review	$4,055	$2,730	$2,730	
Solid Waste Disposal Notification	$180	$180	$180	
Greenfield Fee	$1,610	-	-	
Variance Request	$1,215	-	-	

	Total Fee Due:	$7,280
Check No.: 242	Amount Submitted with Application:	$7,280
	Amount Received:	
	Amount to be Billed:	
Permits & Services	Amount Received:	$ 7,280
	Date Received: QSM	06/08/2026
	Amount to be Refunded:	
	ADEM Fund Code:	422

RECEIVED

JUN 08 2026

ADEM
EDDS

Fee Schedule Prepared by: ASP, x7703 — Date: 06/08/26

Fee Schedule Reviewed by: _____ — Date: _____

P
Ck" 242 "

MWT AL OPS LLC
82535 DOUGLAS AVE STE 720
DALLAS, TX 75225

242

88-1132/1119

DATE 5-30-26

CHECK ARMOR FRAUD PROTECTION

PAY TO THE ORDER OF Alabama Department of Environmental Management $ 7,280.00

Seventy Two Hundred Eighty & 00/100 DOLLARS

Security Features Details on Back.

FirstUnited
Dallas, TX 75225

FOR Permit App Fees Permit # TRTS 080421-282

[redacted]

MP

Medical Waste Treatment Permit Modification

Form 412 05/20 m5 with attachments

Monarch Waste Technologies LLC

David Cardenas, Principal/Co-Founder
(972) 768-6885

Submitted: 5-30-26

MONARCH WASTE TECHNOLOGIES

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Medical Waste Treatment Permit Application

(Print or Type)

A. Treatment Facility Identification:

Name of facility: MWT AL Ops, LLC

Contact person: David Cardenas

Title of contact person: Facility Operator Email Address:davidc@mwt.co

Mailing address: 8235 Douglas Ave suite 720

City: Dallas State: Tx Zip Code: 75225

Business address: 4618 Airport Road

City: Rainbow City State: Alabama Zip Code: 35906

Business telephone number: (972) 768-6885

Emergency/after-hours number: (972) 768-6885

Has medical waste been previously treated at this site? Yes X No

If yes, what type of technology was utilized? Pyrolysis

What date did the last waste treatment occur? Ongoing Existing permitted Facility

Name and mailing address of property owner if different from applicant: Name of property owner

Mailing address:

City: State: Zip Code:

Owner's telephone number: ( ) -

B. Permit Status: (Check one)

___ First Application

___ Permit renewal: Permit No.

Expiration date of current permit: /_____/_____

__X__ Permit Modification: Provide a narrative description of the modifications sought, listing the Section(s) of the existing permit to be modified, and the rationale for the request to modify the permit.

C. Treatment Method:

1. Steam Sterilization

   Cycle Operating Parameters: _____ Minutes; _____ °F Temp; Pressure, _____ psi

2. Other Treatment Method: (Specify, include Letter of approval) ***See Attachment A***

D. Attachments: (The application will not be reviewed unless all attachments are submitted)

1. Medical Waste Management Plan ***See Attachment B***
2. Applicable fees ***See Attachment C***
3. A detailed floor plan of the facility showing all handling, storage and treatment equipment. ***See Attachment D***
4. List equipment (including shredders) utilized in treatment of medical waste. Include model numbers, manufacturers, number of years in use, certifications, number of pieces, etc. (Attach sheets as necessary) ***See Attachment E***

[Note: ADEM Form 412, Medical Waste Treatment Permit Application, is not complete without payment of all the appropriate fees specified in Chapter 335-1-6 of the ADEM Administrative Code.]

DI. Certification: (To be signed by a responsible official)

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 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.

Signature: 

Typed name: David Cardenas

Official Title: Managing Member

Date: 5-30-26

Please submit two copies of each Application and attachments to:

Alabama Department of Environmental Management

(Mailing Address):
Environmental Services Branch
Land Division
P.O. Box 301463
Montgomery, AL 36130-1463

(Street Address):
Environmental Services Branch
Land Division
1400 Coliseum Boulevard
Montgomery, AL 36110-2059

Phone: 334-271-7984 Fax: 334-279-3050

Make all checks payable to the Alabama Department of Environmental Management

SECTION B:

Narrative Description of Proposed Modification

The Permittee is requesting a modification to the existing permitted facility to support a strategic expansion of treatment capacity and associated infrastructure. This enhancement will significantly strengthen the facility's operational capabilities while incorporating advanced safety features designed to further protect employees and ensure the highest standards of safe facility operations.

The proposed modification includes the addition of new treatment units that will precisely mirror the configuration, operation, and treatment processes of the currently permitted unit. In addition, a new 30,000-square-foot metal building will be constructed and attached to the existing facility to house the new equipment and its supporting ancillary systems.

The new treatment units will be installed one at a time as volumes increase. They will be identical in design and function to the existing permitted unit, maintaining the same process flow, control systems, and supportive infrastructure to maintain the highest level of compliance as a Pyrolysis unit. This carefully planned expansion will increase overall treatment capacity, enhance operational flexibility, and provide critical redundancy. These improvements will ensure continued and reliable compliance with all permit conditions, even during scheduled maintenance, unplanned downtime, or periods of peak loading. By bolstering system resilience, the modification will help sustain consistent environmental performance and regulatory adherence well into the future.

Importantly, the proposed modification does not involve any changes to the fundamental treatment methodology in the design of the system or the facility's established waste acceptance criteria.

Rationale for the Permit Modification

The proposed modification represents a strategic and essential investment in the long-term resilience, safety, operational excellence, and economic contribution of the permitted facility. As treatment demands continue to grow, the Permittee is proactively expanding capacity to meet current and future operational needs while upholding the highest standards of environmental protection, public health, worker safety, and regulatory compliance.

Under ADEM administrative rules governing permitted treatment systems (e.g., requirements found in ADEM Administrative Code r. 335-17 and other applicable program-specific standards), facilities are required to maintain treatment systems in a manner that ensures consistent and reliable performance. This modification directly addresses and exceeds those regulatory obligations by significantly enhancing system redundancy and operational reliability. By adding new treatment units identical in design, configuration, and operation to the existing permitted unit, and constructing a new 30,000-square-foot metal building attached to the existing facility, the Permittee will provide dedicated space for receiving and storing waste along with a dedicated room for pre-shredding activities. These improvements will optimize material handling, streamline workflow, and support safer, more organized operations.

This duplication of proven technology eliminates implementation risk and ensures immediate, dependable performance. The added redundancy will safeguard continuous, uninterrupted treatment operations during scheduled maintenance, equipment outages, or peak loading events. In doing so, the project will strengthen the facility's ability to maintain full and unwavering compliance with all ADEM permit limits and conditions at all times, thereby minimizing any risk of excursions and delivering superior, long-term environmental performance.

The proposed modification also strongly aligns with occupational safety considerations that are inherently tied to proper system design and operation. ADEM's regulatory framework emphasizes the safe management of treatment processes as an integral component of overall environmental protection. The addition of a redundant system and expanded facility footprint will enable maintenance and operational activities to be conducted under significantly safer, more controlled conditions. This includes reducing the need for time-critical repairs under pressure, minimizing confined space entry risks during active operations, and allowing proper equipment isolation in full accordance with recognized safety practices such as those outlined by the Occupational Safety and Health Administration (OSHA). These enhancements will further protect workers, reduce operational hazards, and reinforce the facility's commitment to a strong safety culture.

In addition, the expansion will create new, high-quality jobs within the local community, supporting economic growth while providing additional employment opportunities for skilled workers in the region.

Crucially, the modification introduces **no changes** to the fundamental design methodology or the facility's established waste acceptance criteria which was previously examined and approved by ADEM. It simply scales a proven, permitted system with advanced safety features— delivering greater capacity, improved material handling, superior reliability, enhanced public and environmental protection, and strengthened worker safety without introducing new variables or regulatory uncertainty.

In summary, this Permit Modification is a proactive, responsible, and forward-thinking step to advance MWTs proven technology and ensure the facility operates safely, efficiently, and in full, unwavering compliance with ADEM regulations for years to come. It underscores the Permittee's deep commitment to environmental stewardship, public health, worker safety, operational excellence, and meaningful contributions to the local economy.

End of Narratives

ATTACHMENT A

LANCE R. LEFLEUR
DIRECTOR

Kay Ivey
GOVERNOR

Alabama Department of Environmental Management
adem.alabama.gov
1400 Coliseum Blvd. 36110-2400 ▪ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ▪ FAX (334) 271-7950

September 29, 2021

Bob Blom
Veteran Environmental Services, LLC
400 Broad Street
Gadsden, AL 35901-3759

RE: Alternative Medical Waste Treatment Technology Approval

Dear Mr. Blom:

On August 3, 2021, the Department received Monarch Waste Technologies, LLC's (Monarch) request for approval of an alternative treatment method for medical waste, submitted on Monarch's behalf by Veteran Environmental Services, LLC (VES). With this request, Monarch has requested that the pyrolysis treatment method, with the utilization of the PyroMed 550™ Medical Waste Treatment System, be approved for the treatment of medical waste in Alabama.

The Department has completed its review of the documentation provided by VES and has determined pyrolysis to be an acceptable method for the treatment of medical waste, with the use of the PyroMed 550™ Medical Waste Treatment System, while operated within the design specifications. The system is approved for treatment of the following types of medical wastes: animal waste, bulk human blood, blood products, and body fluids; microbiological waste, surgical waste; pathological waste, sharps, and all other medical wastes as defined in ADEM Admin. Code r. 335-17-1-.02.

This approval is in accordance with the requirements of ADEM Admin. Code r. 335-17-6-.01(3)(a) through (g). Please note that this technology approval does not constitute issuance of a permit or permit modification approving the use of this technology at a specific facility.

Should you have any questions or need any additional information regarding this matter, please contact Ms. Shani Smith of my staff at (334) 271-7859.

Sincerely,

Stephen A. Cobb, Chief
Land Division

SAC/sks
CC: David Cardenas, Monarch Waste Technologies, LLC
Doug Carr, ADEM

COPY

Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Branch
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)

Mobile Branch
2204 Perimeter Road
Mobile, AL 36615-1131
(251) 450-3400
(251) 479-2593 (FAX)

Mobile-Coastal
3664 Dauphin Street, Suite B
Mobile, AL 36608
(251) 304-1176
(251) 304-1189 (FAX)

Waste Management Plan

MWT AL OPS, LLC dba

Monarch Waste Technologies

Revised V5- 6-19-26

MONARCH WASTE TECHNOLOGIES

PERMIT NUMBER: TRTS 080421-2802

ALABAMA FACILITY

MWT AL OPS LLC dba Monarch Waste Technologies

4618 Airport Rd

Rainbow City, AL 35906

MWT AL OPS, LLC
4618 Airport Rd
Rainbow City, AL 35906
Revised June 19, 2026

Medical Waste Management Plan

Abstract

The objective of this *Waste Management Plan* (the "WMP") is to describe the procedures and processes that govern operations at the Facility located at 4618 Airport Road, Rainbow City, Alabama 35906. This plan is not intended to be comprehensive, but rather it outlines: (1) the manner by which Medical Waste is accepted, determined to conform to acceptable waste streams, and ultimately deemed appropriate for processing at the Facility; (2) the methods utilized by the Facility to receive, unload, store, stage and process acceptable Medical Wastes; and (3) the measures taken by the Facility to comply with state regulatory requirements for emissions (if any), Alabama's rules and regulations for waste management, and MWT's own policies for proper management of Medical Waste.

This Facility is NOT a waste testing Facility. It is a Medical Waste Destruction Facility. Therefore, this Facility will only accept and process Medical Wastes that have been pre-sorted by each Generator, are accurately described on each manifest, and are in accordance with Rule 335-17-1-02 of the ADEM Administrative Code described on Table 1 herein. This plan was created in accordance with the new standards set forth by the Alabama Department of Environmental Management ("ADEM") Land Division applicable for all Regulated Medical Waste ("RMW") in accordance with Division 335-17. This WMP will be amended as needed to adapt to the growth of the Facility or changes in rules or regulations.

Facility Owner: MWT AL OPS, LLC
Address: 4618 Airport Road
Rainbow City, Alabama 35906

Approval

Facility Co-Manager: MWT AL OPS, LLC

Jason Walton 4-16-260

_____ Date: _____

By: Jason Walton
Its, Facility Manager – COO

Facility Operator/Owner: MWT AL OPS, LLC

_____ Date: 4-16-26

By: David Cardenas
Its, Managing Member

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1.0 PURPOSE OF THIS PLAN

This plan describes how Regulated Medical Waste ("RMW") is received, stored and processed at the Facility. It delineates the measures taken by the Facility to comply with the regulations set forth by ADEM and applicable Environmental Protection Agency ("EPA") regulations for the receiving, handling, storing and safe processing of RMW. This plan also highlights MWT's efforts to reduce emissions (where applicable), with the aim of protecting the communities of Rainbow City and Gadsden, their natural resources, and neighboring environments.

1.1 SCOPE OF THIS PLAN

This plan describes the activities related to receiving, storing, handling, and processing of RMW and non-regulated Pharmaceuticals, outlined in Section 5, at the Facility.

1.2 OWNERSHIP

The Operator and Manager of the Facility—MWT AL OPS, LLC ("MWT") —owns this plan.

2.0 RESPONSIBILITIES

The adherence to protocols described in this plan is the responsibility of the Facility Manager ("Manager"). These protocols apply to all personnel who receive, handle / mix, store and process all waste and/or operate the MWT Pyrolysis Systems within the Facility.

2.1 GENERATORS AND OR TRANSPORTERS

MWT shall require that all Generators and or Transporters to review an agreement detailing MWT's Waste Acceptance Protocols ("WAP"). This protocol outlines acceptance criteria for all wastes approved for treatment at the Facility and details which categories of waste the Facility will not accept.

After definitive contracts have been executed and waste deliveries commence, the identification of non-conforming wastes and any errors in labeling, packaging, or segregation of approved wastes will immediately be documented and brought to the attention of the Generator or Transporter. Subsequent corrective measures and procedures will be reviewed with, and implemented by, Generator or Transporter staff to avoid future issues.

2.2 MANAGER

The Manager will ensure that shift supervisors, other managers, and all personnel working in the Facility receive the required training on pyrolysis waste destruction and are competent in practices for managing Medical Waste streams according to state regulations. The Manager will certify that all staff are aware and trained in the contents of this plan.

2.3 MANAGER'S SCOPE

The Manager will certify that the information contained in this plan is correct and complete and will update this plan as necessary. The Manager will maintain all treatment and tracking records of applicable wastes outlined in this plan for three (3) years. All records will be kept at the Facility and any of the following documents will be made ready for inspection, upon request by ADEM:

(a) Manifest records for all incoming RMW received and or rejected, stored and processed.
(b) Treatment operating records
(c) Inspection records

This plan includes, but is not limited to:

(a) Inspecting Medical Waste Transporters or Generators and Transporters in response to complaints or emergency incidents, or as part of an investigation or evaluation regarding the implementation of this plan or MWT's WAP.
(b) Taking enforcement action for the suspension or revocation of Medical Waste generating activities of a Generator or a Transporter when necessary.
(c) Reporting any conditions and/or recommending the civil or criminal prosecution of violations that could jeopardize the operations of MWT and/or ADEM.

3.0 CONTACT PERSONS

3.1 PRIMARY CONTACT PERSON

David Cardenas, Owner/Member (Phone: 972-768-6885)
Jason Walton, Facility Manager (Phone: 256 577-8367)

3.2 BACKUP CONTACTS

Megan Garrison, Compliance Coordinator (Phone 256-613-8898)

3.3 EMERGENCY OR AFTER-HOURS CONTACT

In the event of any emergency or perceived emergency, call 911.
This will put the person in contact with the Alabama emergency help line.

4.0 FACILITY GENERATED WASTE

4.1 WASTEWATER/LIQUIDS

The Facility does not discharge liquids generated by its processing activities— i.e., all waste liquids that are within the waste or residuals from shredding process are contained, solidified and mixed in with dry waste and destroyed within the Facility's Pyrolysis System. The inherent design of the system prevents any wastewater or liquid waste residuals from contaminating surface or ground water. Such liquids are captured and kept in sealed plastic drums which are clearly marked "Waste Liquid residuals to be processed" than reintroduced back into the process for destruction. All public sewer lines that are connected to drains, bathrooms and/or other

outside storm water areas are NOT used for any associated waste processing activities within the facility.

4.2 OTHER WASTE

Other Waste materials generated in or around the Facility such as the office, breakroom, shop waste, steel scraps will be kept in appropriate containers and be deposited into a separate sealed waste bin that sits outside the facility that is sent to landfill once it is full. This bin is marked "for office waste only- no Medical Waste allowed" and sits away from the building far from designated waste activities or storage areas. Control of odors, vectors, and windblown waste from the outdoor storage of pyrolytic carbon char is maintained by securing the carbon char dumpster with a tarp or comparable material and emptying it on a regular basis following testing protocol.

4.3 TREATMENT PROCESS FOR REUSABLE / RECYCLABLE CONTAINERS

Empty containers or packaging that are not needed for the Waste Mix Matrix will be evaluated for beneficial re-use, recycling or disposal. Such containers shall be stored outside the building in a separate area for customers or third-party pickup. Any customer requiring further services to decontaminate such containers shall be done so using an approved sanitizer prior to storage.

5.0 REGULATED MEDICAL WASTE

All RMW received, stored, staged, managed and destroyed will be treated in a manner that does not create a nuisance to humans or the environment. All RMW will remain within the sealed Containers in which they arrived and then be placed in appropriate designated areas prior to mixing and processing with other waste. All waste management activities are conducted inside the Facility. Odors and vectors in or around the Facility will be abated through the daily destruction of waste; the performance of pest control devices on the interior and exterior of the Facility; and by the inherent design of the Pyrolysis System. Ventilation systems inside the Facility draw air out, while mechanical vents draw in fresh air.

The governing regulatory standards outlining time and temperature guidelines for RMW storage and destruction will be rigorously followed. When destroyed, the RMW is rendered into a non-infectious inert pyrolytic carbon char which is secured within a steel Container (the "char bin"). This char bin is then transferred outside the facility into a designated area for final cooling and quenching (if necessary) before being deposited in the onsite covered char bin dumpster.

After testing (outlined in Section 9.2) indicates safe levels for landfilling, it can be safely sent to either of the following ADEM approved landfills, as outlined on the ADEM approval letter dated 5-14-25, a copy of which is on file at the plant.

1. Three Corners Landfill Permit Number 10-02
2. Noble Hill Landfill Permit Number 28-08

5.1 ACCEPTABLE WASTE

The Facility is limited to receiving, storing, staging, processing, and destroying categories of Regulated Medical Waste defined in Rule 335-17-1-02 of the ADEM Administrative Code which, in addition to the Table 1 below, are itemized and defined in the attached MWT WAP.

TABLE 1 on next page ACCEPTABLE WASTE CATEGORIES

(Ref Waste Acceptance Protocols for a more comprehensive list)

(The rest of this space was intentionally left blank)

TABLE 1 ACCEPTABLE WASTE CATEGORIES (Ref Waste Acceptance Protocols for a more comprehensive list)		
CATEGORY	MONARCH CODE	DEFINITION 40 CFR S 60.51.c, 60.50 c(f), and 62.14490.
Regulated Medical Waste , Infectious Waste, Hospital Waste, and Sharps	RMW	Waste material generated in the diagnosis, treatment, or immunization of humans or animals, in research pertaining thereto, or in the production or testing of biologicals that include: 1) Cultures and stocks; 2) Human blood and blood products, as well as any containers, equipment, or articles contaminated by blood products; 3) Sharps, needles, syringes, blades, needles with attached tubing, and contaminated disposable surgical instruments; 4) Isolation waste; 5) Unused sharps; 6) Body fluids; 7) Medical and laboratory glassware including sliding, pipettes, blood tubes, blood vials, and contaminated broken glass; 8) Biologicals and infectious agents.
Chemotherapeutic Waste **	Non- Haz Chemo	Healthcare, Medical, Hospital Waste material resulting from the production or use of antineoplastic agents (i.e., created for the purpose of halting or reversing the growth of malignant cells). This waste category includes any chemotherapy-related waste items, such as Testing Kits, used or unused or expired wiping products and absorbent materials, gowns, gloves, masks, barriers, IV tubing, empty bags and bottles, new or used needles and syringes, empty drug vials, spill kits, and other items generated in the preparation and administration of an antineoplastic drug. ** excludes all RCRA Hazardous Coding.
Non-RCRA Pharmaceuticals	Non-Haz Pharma	Non-regulated Healthcare Non-hazardous pharmaceutical waste including RCRA Empty packaging, over the counter pharmaceuticals and their residues, empty packaging and technical circulars, research blanks, reinstates from formulations and attached devices(expired or used), Drug busters/catus sink filters/Rx Trackers and like devices used to meet non retrievable/non-consumable requirements.
Pharmaceuticals Controlled Substances	CS	Controlled substances in compliance with DEA regulations 21 CFR, other law enforcement seizures, Over the counter medications, take-back or mail-back programs and or reverse distributors as they may apply.
Pathological and Animal Waste	RMW/Path	Tissues consisting of human or animal remains, anatomical parts or tissues, the bags and containers used to collect and transport waste material.

5.2 PROHIBITED WASTE

The Facility will **NOT accept** the waste categories itemized below in Table 2 and as further defined in the attached MWT WAP.

TABLE 2 UNACCEPTABLE WASTE CATEGORIES		
CATEGORY	MONARCH CODE	DESCRIPTION OF INSPECTION / REFUSAL PROTOCOL
Radioactive Waste	NA-HAZ	All containers will undergo radiation inspections using a handheld digital monitor. Any container reflecting a level >= 2µsv will be rejected for treatment. All such conditions shall be documented and reported.
RCRA Bulk and Chemo Bulk	NA-HAZ	If any manifest has items containing bulk products (more than 3% by volume stated on manifest), these items will be rejected for treatment. All such conditions shall be documented and reported.
Hazardous and Miscellaneous Waste items	NA-HAZ	If any manifest contains hazardous waste items of the following (including but not limited to), they will be rejected for treatment: mattresses, bedsheets, blankets or bedding, paraffin wax slides, solvent, paint, paint thinner, compressed gas cylinders/canisters, aerosol cans, glass thermometers, and blood pressure manometers containing mercury and chemicals including but not limited to formaldehyde (formalin more than 10% buffered), acids, alcohols, and waste oil. All such conditions shall be documented and reported.
Human Remains	NA	If a manifest contains any of the following items, or if our staff suspects any such items are being delivered to the facility for processing, then they will be rejected: cadavers, bodies, and fetuses. All such conditions shall be documented and reported.
Improper Packaging	NA	If any waste is packaged improperly (e.g., leaking or damaged containers), it will be accepted provided the customer covers the cost for repackaging otherwise it will be rejected and sent back to customer.

5.3 CONTROLLED SUBSTANCES / REVERSE DISTRIBUTION CUSTOMERS

MWT Alabama has begun activities to secure a DEA License to receive and process controlled substances. Until the award of our DEA license, DEA controls are destroyed under the authority of a licensed company and witnessed full thermal destruction with sign off paperwork by a licensed agent. The overall goal of the Controlled Substances Act (CSA) and of DEA's regulations in Title 21, Code of Federal Regulations (CFR), parts 1300-1316 is to provide a closed distribution system so that a controlled substance is at all times under the legal control of a person registered, or specifically exempted from registration, by the Drug Enforcement Administration until it reaches the ultimate user or is destroyed. DEA achieves this goal by registering manufacturers, distributors, and dispensers of controlled substances. Thus, any movement of controlled substances between these registered persons is covered by DEA regulations.

Maintaining compliance with 21 CFR S 1317, individual Containers of controlled substances will not be analyzed, sampled, or opened once they are received at the Facility. As such, only designated MWT personnel will be assigned to accept the DEA shipments and operate the Pyrolysis System for these scheduled runs. All controlled substances will be received in accordance with the protocols outlined in this plan. Destruction under the authority of 21 CFR 1307.21 maintains the closed distribution system because the controlled substances always remain under the legal control of a registered person.

Non-regulated Pharmaceutical products from Reverse Distributors are stored inside the facility or outside in locked trailers and managed to similar standards of RMW. To achieve the engineered feed rate of the Pyrolysis unit, the Pharmaceuticals/medicines are blended with other categories of RMW as per the Waste Mix Matrix. Inbound shipments of pharmaceuticals from Reverse Distributors shall be received on a Bill of Lading (BOL) and/or manifest as required by DOT. Receiving documentation includes an inbound receiving log for shipment tracking.

6.0 WASTE ACCEPTANCE: RECEIVING / UNLOADING / STORING

The receiving, inspection, and unloading of waste will be confined to the designated dock area at the Facility. During the unloading process, each pallet or Container will be individually inspected for compromised packaging, leaking, radiation level, and damage. Such pallets or Containers will not be accepted if they are damaged, leaking, or register a radiation level greater than or equal to 2µsv; any repackaging must be approved by the customer. Once accepted, each pallet or Container of RMW will be weighed at the point of entry to the Facility, marked or tagged with a "destroy by date" to ensure the waste is destroyed in accordance with ADEM'S regulations. An attendant will be present at the Facility to monitor all activities related to the receiving and unloading of waste. The Manager or Operator shall organize and manage the following items: (1) Navigation guidance: MWT customers, Generators and Transporters will receive a map containing directions to the Facility. (2) Arrival instructions: All customers, Generators and Transporters will be instructed to stop outside the gate to the premises and call the Manager or Operator on duty before entering the property. Once the Manager or Operator on duty is notified, an employee from the Facility shall direct the incoming waste load to the appropriate

dock for unloading. (3) Signage: Appropriate signs will be maintained to indicate the designated stopping point from which point drivers must call for further instructions and where the vehicles are to unload at the Facility. The Facility is not required to accept any waste that the Operator or Manager determines unacceptable for the process. This right of refusal guarantees the Facility's full and continuous compliance with this plan and avoids conflict with ADEM and federal regulations. (4) Writ of Unacceptable Medical Waste: If unacceptable Medical Waste is identified (such as radioactive or hazardous) it will be refused, documented, and returned to the Generator of origin for proper handling and disposal. The unloading of waste in unauthorized areas is prohibited. The Manager or shift supervisor shall ensure that any RMW inadvertently is deposited in an unauthorized area will be relocated immediately and managed properly. All such instances will be documented and reported to the Manager and owner.

6.1 STORAGE / STAGING / WASTE MIXING AREAS

All wastes will be stored and staged in designated areas prior to processing. To ensure the Pyrolysis system stays within its design limits for heat expansion caused by variations of moisture content and calorific values (amount of energy) within the waste, all waste must be evaluated, categorized and blended as per a set formula ("Waste Mix Matrix") prior to shredding. All waste

6.2 RADIATION MONITORING MWT

Staff shall inspect each pallet or Container of waste individually as it is unloaded so that radioactive waste is not inadvertently accepted by the Facility. Radiation monitoring checklist and report are outlined in Attachment C.

7.0 FACILITY / PYROLYSIS SYSTEM OPERATIONS

The Facility's operating hours are 24 hours/day Monday through Friday. Management may adopt alternative operating days or hours to accommodate special occasions, special purpose events, holidays, or other special occurrences. The Manager may extend operating hours to address a disaster, emergency, or other unforeseen circumstances to mitigate the disruption of services.

7.1 SHUTDOWNS / BREAKDOWNS / SCHEDULED MAINTENANCE

The design capacity of the Pyrolysis System to operate safely (with the right mix/blend) is 550 pounds per hour of decomposable waste. This figure does not account for glass, metals, and other non-biologicals (which do not decompose) and therefore increases throughput aggregates to 1100+ pounds per hour. MWT will take practicable measures to ensure that the Pyrolysis System is routinely maintained to achieve safe operations and process all waste efficiently. There are twenty-four (24) scheduled shutdowns each calendar year to perform planned preventative maintenance. If the Pyrolysis System should break down, or require additional maintenance due to mechanical issues the Manager or shift supervisor will:

(1) Ensure there is sufficient storage space for all RMW received and stored.
(2) Ensure that the RMW within the Facility is stored according to ADEM's regulations.

(3) Ensure that no additional waste is delivered during the breakdown or shutdown period by either delaying or diverting shipments to alternative disposal facilities.
(4) Ensure that whatever RMW that is not destroyed within the thirty (30) daytime limit is sent out to an alternative disposal facility.
(5) Alternative facilities are;
    a. Curtis Bay / Sharps Compliance – Hattiesburg, MS
    b. Biowaste LLC – Tullahoma, TN

7.2 PYROLYSIS STARTUP / CHARGING / OPERATING SEQUENCE

The following sequence will outline the Operator's standard procedure for startup, Charging, and operating the Pyrolysis System.

1) Prior to loading or Charging the Pyrolysis System with waste, the Operator shall view the main control panel screen to ensure that:
    a) The Pyrolysis System has reached safe, minimum operating temperatures.
    b) The Pyrolysis System has achieved a set of negative pressure and vacuum environments.
    c) The initial startup sequence is complete, and all components and instrumentation are functioning properly.
2) Once the Pyrolysis System is ready to operate, the Operator is clear to start loading and charging the system with waste.
3) The Operator shall load waste into the shredder hopper to commence processing.
4) The Operator shall log the time, waste type, and weight of each waste Container or pallet as it is loaded into the hopper. The Operator will also record any issues that arise along with measures taken to resolve such issues.

7.3 PYROLYSIS SHUTDOWN SEQUENCE

The following sequence will outline the Operator's standard procedure for the shutdown sequence of the Pyrolysis System.

1) The Operator will stop loading waste into the shredder and ensure the shredder has been completely emptied with waste materials.
2) The Operator will view the main control panel screen and take the following measures:
    a) Set the cycle timer for 60 minutes so that any waste or syngas remaining in the Pyrolysis System will be destroyed.
    b) Place the Pyrolysis System into auto shutdown mode.
    c) Ensure that all shift documentation is complete.
    d) Prepare the area for the following start up shift.

8.0 RECORDKEEPING / REPORTING

The following section outlines the Facility's recordkeeping, notifications, and reporting procedures that are required under state regulations regarding the Facility operations, the Operator's activities, the Pyrolysis System's performance, and the responsibility of the Manager to ensure such reports and notifications are properly executed.

8.1 OPERATING RECORDS

1) The Operator(s) of the Pyrolysis System shall document all waste processed in the Pyrolysis System. This documentation includes time, weight, waste type, any problems encountered, and steps taken to address said problems.
2) The Operator(s), Manager, or supervisor(s) shall record all scheduled and unscheduled shutdowns, mechanical issues responsible for a forced shutdown, and any condition that might present a safety hazard.
3) The Operator or shift supervisor(s) shall monitor the PLC at all times. Should any set points go out of range, the PLC will stop waste processing, and the event will be immediately reported to the Manager. Waste processing will not resume until the cause is investigated and resolved.

8.2 FACILITY REPORTING

1) The Manager shall ensure all shift supervisors and Operators maintain accurate records and that all required notifications outlined in ADEM Administrative Code are filed in a timely manner.
2) The owners and Manager shall maintain digital records and make them available for inspection by authorized parties for 3 years.

9.0 SANITATION / SPILLS

1) The Facility shall maintain potable water and sanitary facilities for all employees and visitors.
2) The Facility will be swept after every shift and sanitized as required.
3) As outlined in Section 4.1 of this WMP, all waste liquids will be collected and processed in the Pyrolysis System and or solidified and sent out to an alternative facility as non-hazardous waste liquids.
4) Facility floors or returnable containers will be cleaned with proper sanitation solutions.
5) Any spills occurring within the facility areas shall be facilitated as per the spill plan that is outlined in **Attachment B** of this plan.

10.0 PROFILING/WASTE TRACKING / CHAR TESTING – DISPOSITION

This section of the WMP addresses how waste is profiled at the Facility, from approval to destruction. Additionally, this section will cover the characterization of the Pyrolysis System's byproducts, which satisfy regulations designating the final placement of all treated Residuals in

an approved landfill. This section's contents cover the waste management process chronologically from waste receipt to outbound Residuals manifest.

10.1 PROFILING AND WASTE CODE TRACKING AT THE FACILITY

(1) Customer completes a waste profile and submits to MWT for review when required. Upon approval, the customer waste will be assigned a profile ID number.

(2) The Generator and Transporter will assign waste codes (types) to all waste listed on the manifest. When the waste arrives at the Facility, MWT personnel will ensure the manifest matches the corresponding labels on the waste Containers or pallets being delivered. MWT personnel will also ensure unacceptable waste is rejected, documented, and returned to the Generator or repackaged if not compliant with the WAP.

(3) MWT personnel will complete a receiving log that includes the customer's name and ID number, the date and time the waste was received, and the breakdown weight for the entire load. All pallets of RMW Containers will be labeled with a distinct sticker clearly marked with a "DESTROY BY DATE", weight and manifest number. The manifest / bill of lading is attached to the receiving log and then emailed to the administrative office for processing, billing, filing, and reporting data.

(4) Waste is tracked around the clock daily. The Manager will assign the daily destruction schedule for all categories of waste to be destroyed.

(5) As mixed waste containers are loaded into the Pyrolysis System for processing, the Operator notes the time, date, and ID code on the daily processing log. MWT accounting staff provides Certificates of Destruction ("COD") for all waste processed to each customer and Generator as applicable.

10.2 CHAR TESTING / RESIDUE DISPOSITION

MWT personnel shall be responsible for taking a random sample of each load and sending the sample to the testing lab ("LRS, Inc.") in Ashville, Alabama. The sample will be tested via Toxicity Characteristic Leaching Procedure (TCLP) and documented accordingly by the Manager with the facility files. MWT personnel will ensure the pyrolytic carbon char resulting from the destruction process is properly maintained and disposed to an ADEM approved landfill as per the following procedure.

(1) The Operator will ensure that the airlock knife gate is completely closed prior to disengaging the seal of the pyrolytic carbon char container ("char bin") from the system. This will ensure that a negative pressure vacuum environment is maintained within the Pyrolysis System during char bin change outs.

(2) The Operator will lift the full char bin out of the pit using an electric hoist and trolley system. The char bin is then moved outside to a designated quenching area for final cooling (if necessary) prior to depositing char in the designated large bin for landfill. All quenching water is captured and reused to cool the char. This quenching area is a

concrete basin that is sloped and curbed to capture all liquids or residuals and is NOT connected to any drains as it is self-contained within this designated area. The bin shall remain covered and allowed sufficient time to complete cooling before being deposited in the char Residuals dumpster located in close proximity to the quenching area.

(3) Once the pyrolytic carbon char (the "char") is completely cooled, the char bin is then uncovered, and lifted, moved, and tipped into a large roll-off Container (the "char Dumpster") via forklift. The char Dumpster is always covered with a tarp except when char bins are being tipped and unloaded.

(4) Once the char bin is full of pyrolytic char and spent sodium bicarbonate and activated carbon sorbent ("Reagent") that is the result of the process, MWT personnel shall be responsible to take a random sample of each load (prior to sending to landfill) and send it to the testing lab ("LRS, Inc.") in Ashville, Alabama. The lab will test the sample via Toxicity characteristic Leaching Procedure (TCLP) and notify MWT results. All results and bills of lading to landfills shall be documented accordingly by the Manager and put into the facility files for inspection review.

11.0 DEFINITIONS

"ADEM" means Alabama Department of Environmental Management

"Container" means a leak-proof, puncture-resistant, sealed and durable receptacle that meets regulatory standards for the safe storage, handling, transportation and final treatment of biohazardous or regulated medical waste.

"Charging" means loading the hopper with waste and starting the Pyrolysis System.

"Facility" means the Facility located at 4618 Airport Road Rainbow City, Alabama 35906 including all land and structures, and other appurtenances or improvements on the land associated with the handling and storage of the waste and housing of the Pyrolysis Systems that process and destroy the waste.

"Generator(s)" means a hospital or other Facility that generates or create the waste.

"Facility Manager" or "Manager" means the person in charge of the day-to-day activities at the Facility to whom all employees report.

"MWT" means MWT AL OPS, LLC

"Offsite" means any location which is outside the Facility boundaries.

"Onsite" means any location within the boundaries of the Facility.

"Operator(s)" means the person or persons that is trained to operate the Pyrolysis Systems.

“Other Waste” means waste that is generated or kept in the Facility’s office or bathroom, maintenance shop or break room areas and is not classified as Medical Waste. This waste shall be placed in a separate outside dumpster owned by and sent to landfill as needed.

“Pyrolysis System(s)” means the PyroMed 550 waste destruction system complete with all ancillary equipment, machines, componentry, and instrumentation.

"Regulated Medical Waste" means a solid waste or combination of solid wastes which because of its infectious characteristics may either cause, or significantly contribute to, an increase in mortality or an increase in serious irreversible or incapacitating reversible illness or pose a substantial present hazard or potential hazard to human health or the environment when improperly treated, stored, transported, disposed, or otherwise manage. Refer to WAP for all acceptable waste categories.

“Residuals” means pyrolytic carbon char and/or spent Reagent.

“Reverse Distributor” means a company that manages the return of Non-Hazardous pharmaceuticals and pharmaceutical products from retailers like pharmacies and /distribution networks back to the manufacturer or a disposal facility. A “reverse distributor” (RD) handles expired, damaged, or unwanted medicines, often returning them for credit or arranging for proper disposal. Reverse distributors pick up or arrange for the return of unwanted pharmaceuticals from pharmacies, hospitals, and other healthcare operations.

“Storage / Stored” means to hold or keep waste or char within designated areas of the Facility.

“Transporter(s)” means the person or company who physically transports the waste from the Generator or transfer station to the Facility.

“Waste Mix Matrix” means the proprietary waste mix recipe consisting of methods to combine the entropy values of each waste type together to ensure the safe engineered feed rate of the Pyrolysis system.

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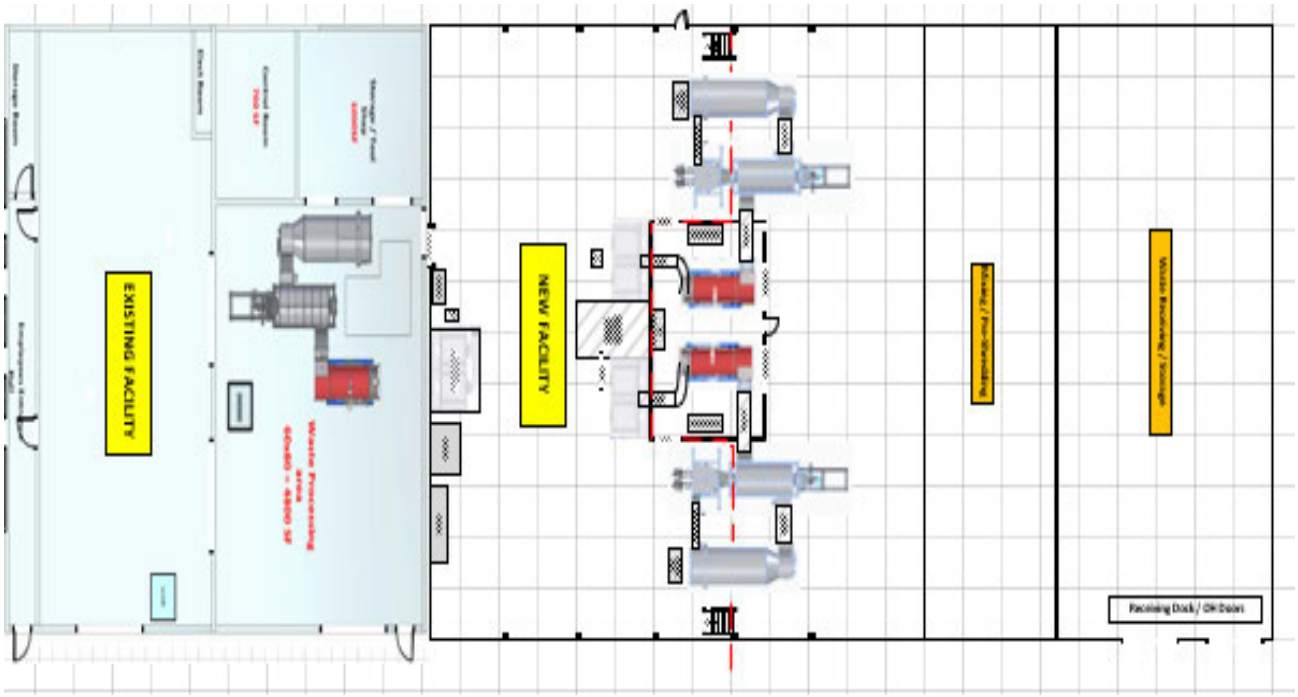
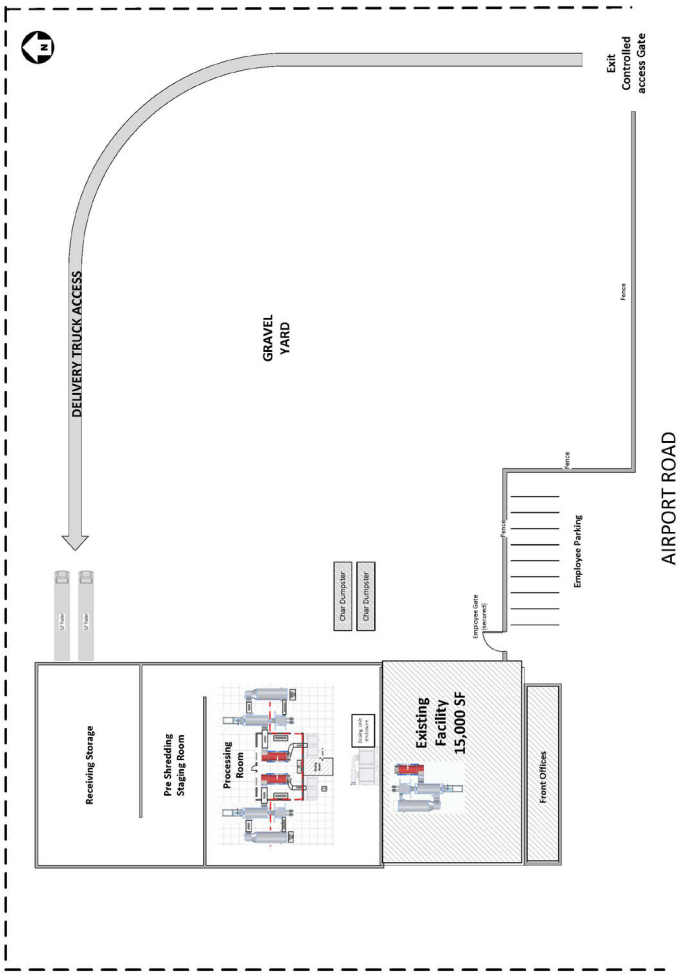
FACILITY LAYOUT/ SITE MAP (ATTACHMENT A)



SITE MAP



Spill Plan (Attachment B)

WARNING: DO NOT ATTEND TO SPILLS UNLESS THE FOLLOWING PROCEDURES HAVE BEEN INITIATED FIRST.

A. **Always wear appropriate PPE.**
B. **Cordon off the area.**
C. **Switch off any nearby mains supply, if applicable.**

Spillage Procedure:

1 Instruct immediate supervisor that spillage has occurred.
2 Notify all relevant personnel that a spillage clean-up is in progress and the expected downtime if applicable.
3 Clear up the spillage as quickly and safely as possible.
4 Isolate excessive liquid spillages by forming a ring using absorbent material.
5 Spray spill with appropriate approved solution.
6 Shovel contaminated absorbent material into an impermeable container (e.g., heavy duty plastic bag or appropriate container) which is marked “RMW spills to process”.
7 Once area has been cleaned and all spillage material contained, spray spillage area with appropriate approved solution for final disinfectant.

RADIATION INCIDENT REPORT (ATTACHMENT C)

Date: _____ Time: _____ Employee: _____

Generator Information Name: _____

Address: _____

City, State, and Zip Code: _____

Description of Package(s) ___ Boxed ___ Reusable Container ___ Other

_____

_____

Radiation Level

Radiation Detector/Dosimeter: _____ nSv/hr.

Radiation Level >= 2000 nSv/hr.

A. Refuse incoming waste
B. Evacuate Area
C. Contact Transporter or Generator
D. Contact Alabama Office of Radiation Control (334) 290-6244
E. File Report

Operator Signature and Date: _____ _____

Facility Manager Signature and Date: _____ _____

RADIATION INCIDENT CHECKLIST

1. Follow the radiation incident procedures and complete the MWT Radiation Incident Report for each occurrence.
2. If radiation levels >= 2µSv/hr. are detected, complete this checklist.
3. Contact Generator, inform them that they will be required to abate and remove the radioactive waste from MWT premises and transport to another Facility that is equipped to manage and process it.
4. Notify the Generator that they will need to secure a DOT Exemption 11406 REV Shipment Approval Form from the Alabama Dept. of Health at (334) 290-6244. This is required to transport the radioactive waste to another Facility.
5. Record the following information:

   A. Background radiation level _____ nSv/hr.

   B. Radiation level at contact (or known distance) _____ nSv/hr.

   C. Radiation level through vehicle. _____ nSv/hr.

   D. Date and time of measurement _____

   E. Person recording measurements _____

6. File MWT Radiation Incident Report and a copy of this checklist to:
   ADPH
   Alabama Office of Radiation Control
   Administrative Annex, Suite C
   P.O. Box 303017
   Montgomery, AL 36130-3017
   Phone: (334) 290-6244
   Fax: (334) 285-9342

   Prepared by _____ Date _____

   Reviewed by _____ Date _____

Waste Matrix Example (WITHOUT PROPRIETARY INPUTS)

Formula #_____ - ___% wet ___%dry blend

PREP INSTRUCTIONS

1. Take an empty container on a pallet and put it on the scale.. make a note of the weight. Leave it on the scale.

2. Identify the low moisture and high moisture waste categories that are dated ready for processing.

3. Weigh **xxx lbs. of category xxxxx** and set aside noting the weight of each pallet. Separately weigh out **xxx lbs. of category xxxxx** and set aside noting the weight of each pallet. Continue for to add category's as outlined below. Make note of packing (boxes, barrels etc.), customer name etc.

4. Set an empty Gaylord or large container on the scale. Begin the process of comingling xxlbs of category xxx with xxx lbs. of category xxx evenly within the container(***avoid stacking of the same thing in one area***).

5. Fill out the ID Mix sheet with total weight, customer mix items, date, formula number and tape it to the Gaylord before staging for shredding.

BLENDING RECIPE

Target Mix load | **Total LBS.** ***xxx***

Type	Waste Category	Customer packaging	target pounds to blend	*Mix %*
#	Trace Chemo	yellow /plastic	**#VALUE!**	*0%*
#	Trace Chemo	Boxes	**#VALUE!**	*0%*
#	Pharma	brown boxes	**#VALUE!**	*0%*
#	Pharma	black barrels	**#VALUE!**	*0%*
#	Pharma	white /blue top	**#VALUE!**	*0%*
#	Pharma	blue barrels	**#VALUE!**	*0%*
		Total	**xx**	*0%*

Attachment C

FEE SHEET FOR MEDICAL WASTE PERMITS

ADEM No.: 55950

Applicant: Monarch Waste Technologies

Location: 4618 Airport Road — County: 55

Rainbow City — State: Alabama

Permit No.: TRTS 080421-2802 — Date Application Received:

Permit Fees Required	Initial Issuance	Modification	Reissuance	Total
New Technology Review	$10,205	-	-	
Commercial Treatment Facility	$16,460	$7,280	$9,180	$7,280
Commercial Transportation of Medical Waste	$3,490	$1,460	$2,035	
Storage of Untreated Medical Waste	$2,630	$665	$1,960	

Additional Fees				
Geological Review	$4,055	$2,730	$2,730	
Solid Waste Disposal Notification	$180	$180	$180	
Greenfield Fee	$1,610	-	-	
Variance Request	$1,215	-	-	

	Total Fee Due:	$7,280
Check No.: 242	Amount Submitted with Application:	$7,280
	Amount Received:	
	Amount to be Billed:	
Permits & Services	Amount Received:	
	Date Received:	
	Amount to be Refunded:	
	ADEM Fund Code:	422

Fee Schedule Prepared by: ASP, x7703 — Date:

Fee Schedule Reviewed by: — Date:

MWT AL OPS LLC
82535 DOUGLAS AVE STE 720
DALLAS, TX 75225

242

88-1132/1119

DATE 5-30-26

CHECK ARMOR FRAUD PROTECTION

PAY TO THE ORDER OF Alabama Department of Environmental Management $ 7,280.00

Seventy Two Hundred Eighty & 00/100 DOLLARS

Security Features Details on back.

First United
Dallas, TX 75225

FOR Storm Mit Fees Permit #RTS 080421-282

[redacted]

MP

ATTACHMENT D

MONARCH WASTE TECHNOLOGIES
SITE DEVELOPMENT PLAN

RAINBOW CITY, ALABAMA

PREPARED BY:

SKIPPER ENGINEERING, INC.
171 WOODLAND DRIVE
RAINBOW CITY, ALABAMA. 35906
PHONE: 256-390-9424
PHONE: 256-295-2430

OWNER:

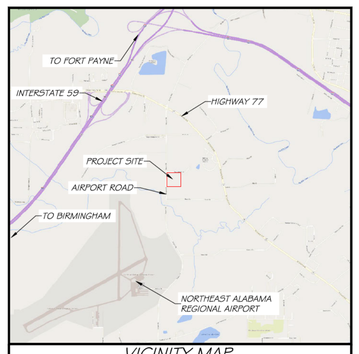
MONARCH WASTE TECHNOLOGIES
8235 DOUGLAS AVENUE - SUITE 720
DALLAS, TX. 75225
DAVID CARDENAS
EMAIL: DAVIDC@MONARCHWASTETECHNOLOGIES.COM

CIVIL ENGINEER:

SKIPPER ENGINEERING, INC.
171 WOODLAND DRIVE
RAINBOW CITY, ALABAMA 35906
SCOTT SKIPPER PE / PLS
EMAIL: SCOTT@SKIPPERENGINEERING.COM
PHONE: 256-390-9424

CONTRACTOR:

TBD



VICINITY MAP
N.T.S

SATELLITE VIEW
N.T.S

TABLE OF CONTENTS

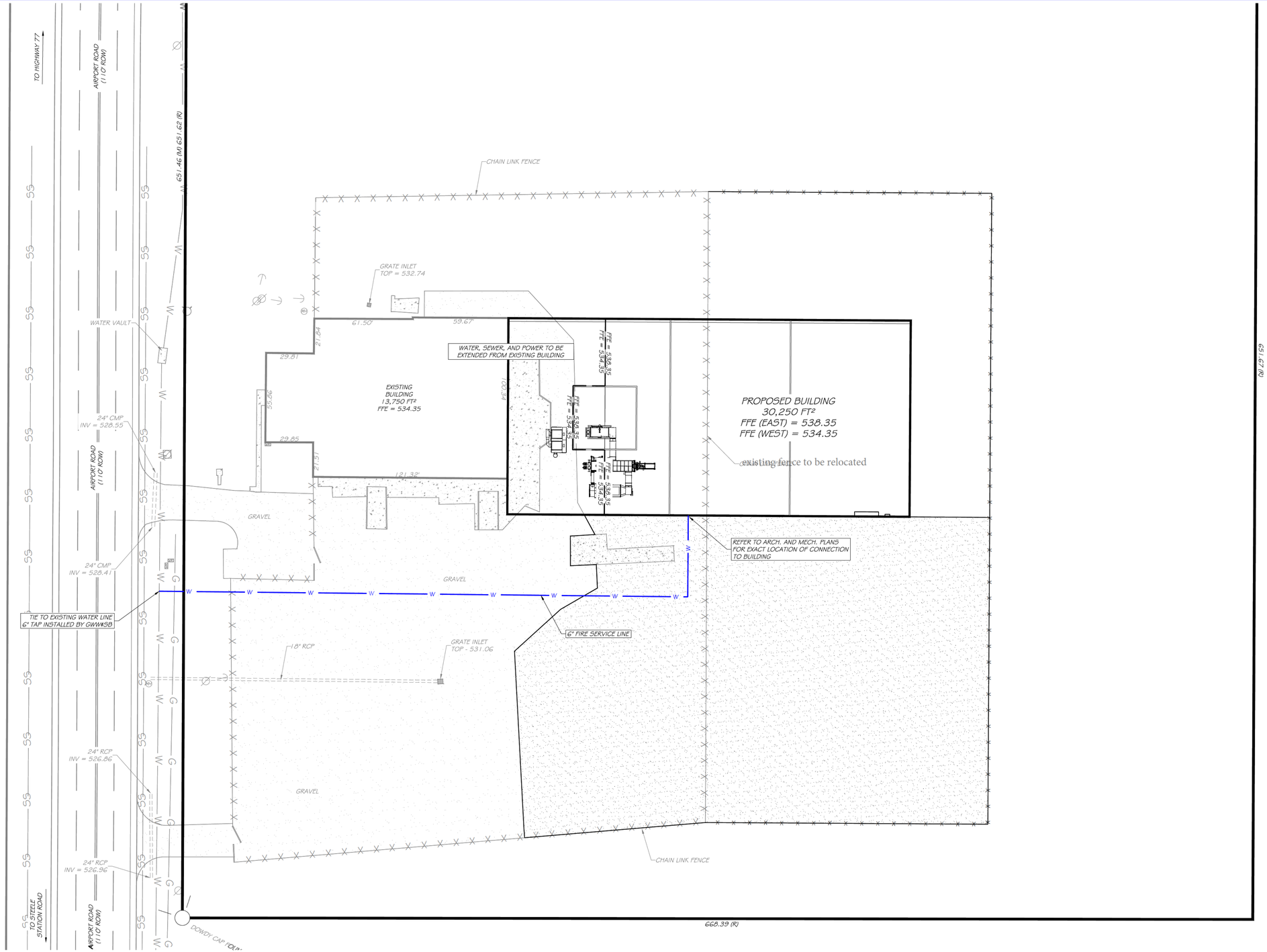
C0.....TITLE SHEET
C1.....EXISTING SURVEY
C2.....DEMOLITION PLAN
C3.....LAYOUT PLAN
C4.....GRADING AND STORM PLAN
C5.....UTILITY PLAN
C6.....EROSION CONTROL PLAN
C7.....EROSION CONTROL DETAILS
C8.....MISCELLANEOUS DETAILS

UTILITY CONTACTS

GADSDEN WATER WORKS & SEWER BOARD
515 N ALBERT RAINS BLVD
GADSDEN, AL. 35901
PHONE: 256-543-2884

ALABAMA POWER
749 FORREST AVE.
GADSDEN, AL. 35901
PHONE: 800-245-2244

SPIRE GAS
PHONE: 800-292-4008



LEGEND

- PROPERTY LINE
- IRON PIN FOUND
- BUILDING SETBACK
- PROPOSED BUILDING
- PROPOSED FENCE
- PROPOSED WATER LINE
- PROPOSED GRAVEL

ALABAMA EAST

PROJECT #26005
SCALE 1" = 30'

GENERAL UTILITY NOTES:

UTILITY INFORMATION SHOWN HEREON WAS OBTAINED FROM THE BEST AVAILABLE SOURCE AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF EXISTING UTILITIES, REPORTING ANY DISCREPANCIES TO THE CIVIL ENGINEER AND IS RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITIES, EITHER PUBLIC OR PRIVATE, SHOWN HEREON OR NOT SHOWN HEREON. ANY REPAIRS SHALL BE DONE TO THE SATISFACTION OF THE APPROPRIATE UTILITY COMPANY.

THE GENERAL CONTRACTOR SHALL CONFIRM / COORDINATE WITH THE APPROPRIATE UTILITIES FOR ALL NEW SERVICES / TAP LOCATIONS. ALL NEW SERVICE / TAP FEES SHALL BE THE RESPONSIBILITY OF DEVELOPER / OWNER.

ALL WATER LINES SHALL HAVE A FINAL COVER DEPTH OF 3'-0" IN NON-TRAFFIC AREAS AND 4'-0" MINIMUM IN TRAFFIC AREAS UNLESS SPECIFICALLY NOTED OTHERWISE.

ALL UTILITY TRENCHES BENEATH AREAS TO BE ULTIMATELY PAVED OR FOR VEHICULAR TRAFFIC SHALL BE COMPLETELY BACKFILLED W/ COMPACTED CRUSHED LIMESTONE.

SANITARY SEWER AND POTABLE WATER SERVICE LINES SHALL BE 4" OR 6" SCH. 40 P.V.C. AND TYPE "K" COPPER, RESPECTIVELY, UNLESS OTHERWISE NOTED. WATER SERVICE PIPING SHALL BE TYPE "K" HARD DRAWN COPPER TUBING WITH SILVER SOLDER JOINTS. SOLDERS CONTAINING LEAD SHALL NOT BE USED FOR ANY PURPOSE ON THIS PROJECT.

CONTRACTOR SHALL PROVIDE WRITTEN GUARANTEE, FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF SYSTEMS BY OWNER, FOR ALL MATERIAL AND WORKMANSHIP OF ITEMS WHICH HAVE BEEN INSTALLED UNDER THIS CONTRACT.

FOR WATER OR SEWER MAIN INSTALLATIONS IN WHICH THE UTILITY BOARD IS TO ASSUME OWNERSHIP / MAINTENANCE, THE CONTRACTOR MUST BE A STATE OF ALABAMA UTILITY LICENSED CONTRACTOR AND SHALL PROVIDE THE UTILITY WITH BACTERIOLOGICAL (WATER) AND PRESSURE TEST RESULTS (ALL PIPING). PRESSURE TEST IN ACCORDANCE WITH AWWA STANDARDS. WATER MAINS 2" DIA. OR GREATER WILL BE CLASS 200 P.V.C. W/ ALL DUCTILE IRON FITTINGS.

USE DETECTOR WIRE ALONG THE TOP OF THE PIPE AND DETECTOR TAPE AT AT HALF DEPTH DURING BACK FILL.

OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING 5 FEET IN DEPTH.

A MIN. OF 18" VERTICAL / 5' HORIZONTAL SEPARATION MUST BE MAINTAINED BETWEEN POTABLE WATER AND SANITARY SEWER MAINS.

CONTRACTOR SHALL NOTIFY ALABAMA LINE LOCATION CENTER, INC. AT 811 AT LEAST TWO WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION. CONTRACTOR SHALL ALSO CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES AT LEAST TWO WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTRACT WITH A PRIVATE LOCATOR SERVICE FOR LOCATION PRIVATE UTILITY LINES AS REQUIRED.

FOR ELECTRICAL SERVICE - THE GENERAL CONTRACTOR SHALL VERIFY W/ UTILITY COMPANY IF TRANSFORMER PAD IS TO BE SUPPLIED BY OWNER. IF SO, IT IS TO BE CONSTRUCTED TO ELECTRIC COMPANY SPECIFICATIONS. CONTRACTOR IS TO COORDINATE WITH ELECTRIC COMPANY FOR DESIRED LOCATION AND ELEVATION.
FOR POWER OR PHONE SERVICE - THE GENERAL CONTRACTOR SHALL VERIFY W/ UTILITY COMPANY AS TO IF CONDUIT W/ PULL STRING IS TO BE SUPPLIED BY OWNER. IF SO, IT IS TO BE INSTALLED TO THE UTILITY COMPANY SPECIFICATIONS. CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANY FOR DESIRED LOCATION AND DEPTH.
THE ABOVE DESCRIBED PAD CONSTRUCTION AND CONDUIT INSTALLATION ARE THE RESPONSIBILITY OF THE CONTRACTOR.

EXISTING UTILITY SERVICES TO BE ABANDONED ARE TO BE DONE SO AS PER THE SPECIFICATIONS OF THE APPROPRIATE UTILITY DEPARTMENT.

"BY GWW&SB" MEANS WORK TO BE PERFORMED BY THE GADSDEN WATER WORKS AND SEWER BOARD AS PART OF THE TAPPING FEES

ALABAMA REGISTERED No. 20141 PROFESSIONAL ENGINEER & LAND SURVEYOR SCOTT SKIPPER

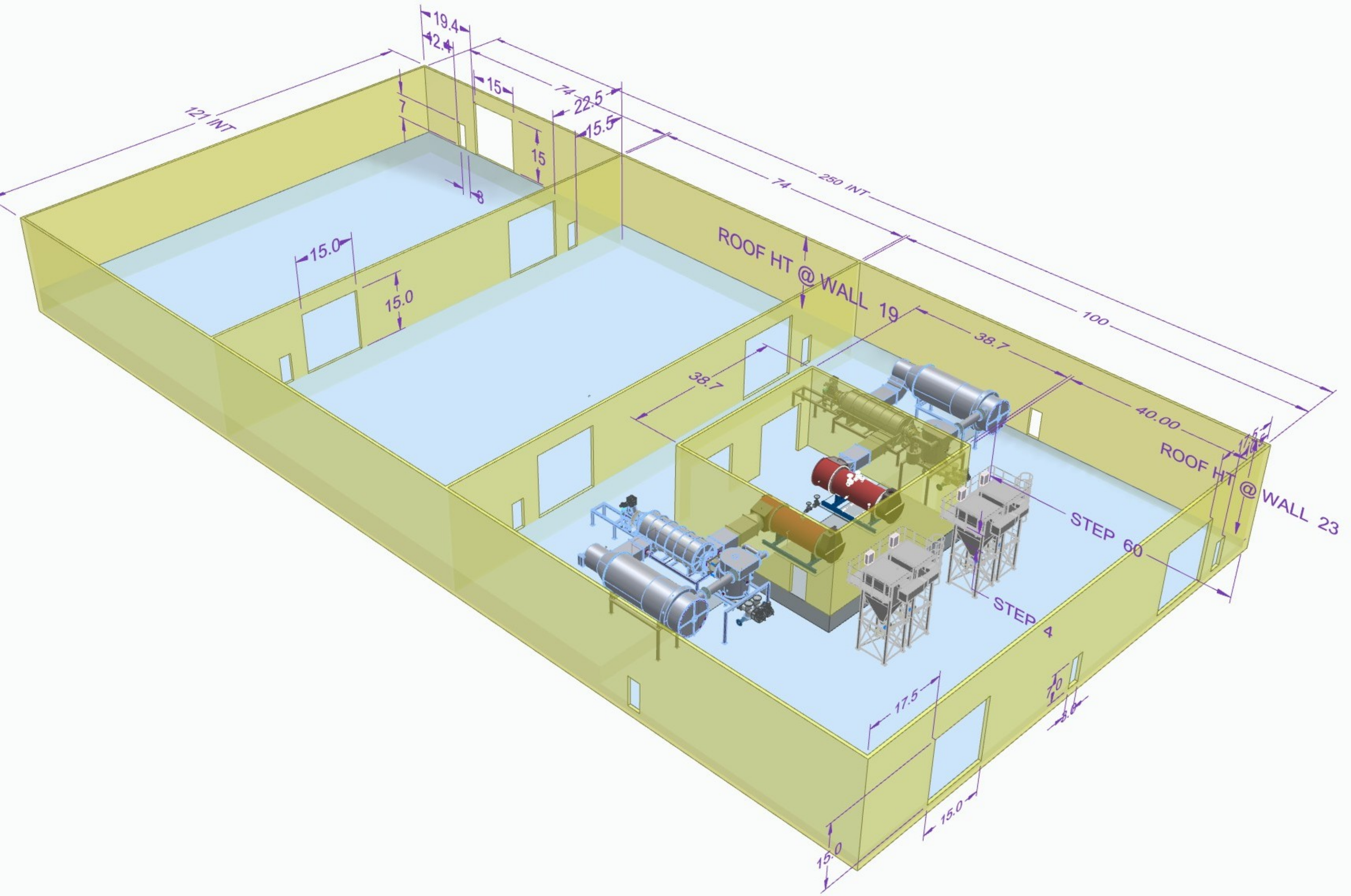
PROJECT #25005 SHEET C5 OF C8

SKIPPER ENGINEERING, INC.
CIVIL ENGINEERING & SURVEYING
171 WOODLAND DR. 256-390-9424
RAINBOW CITY, AL. 35906 scott@skipperengineering.com

UTILITY PLAN
MONARCH WASTE TECHNOLOGIES BUILDING EXPANSION
RAINBOW CITY, ETOWAH COUNTY, ALABAMA

FOR
MONARCH WASTE TECHNOLOGIES
DAVID CARDENAS

DRAWN:	APPROVED: S.S.	SCALE: 1" = 30'	DATE: 04 - 14 - 2026


19.4
12.4
15
74
22.5
15.5
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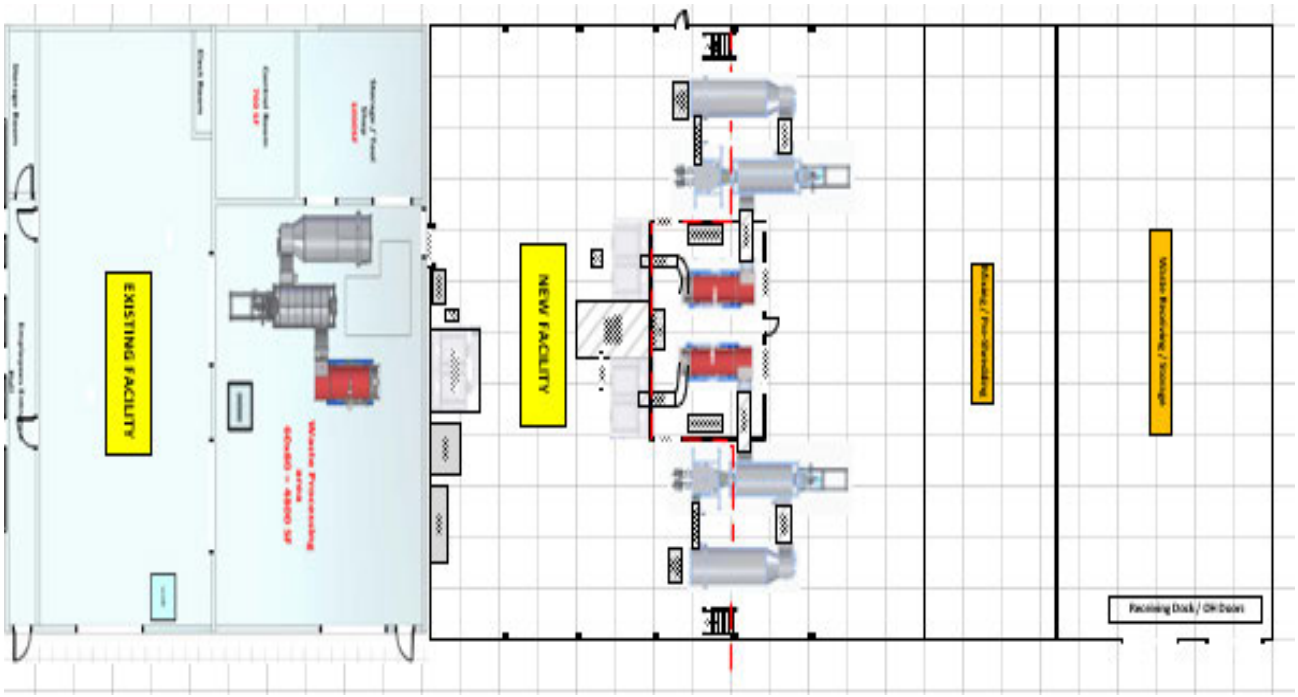
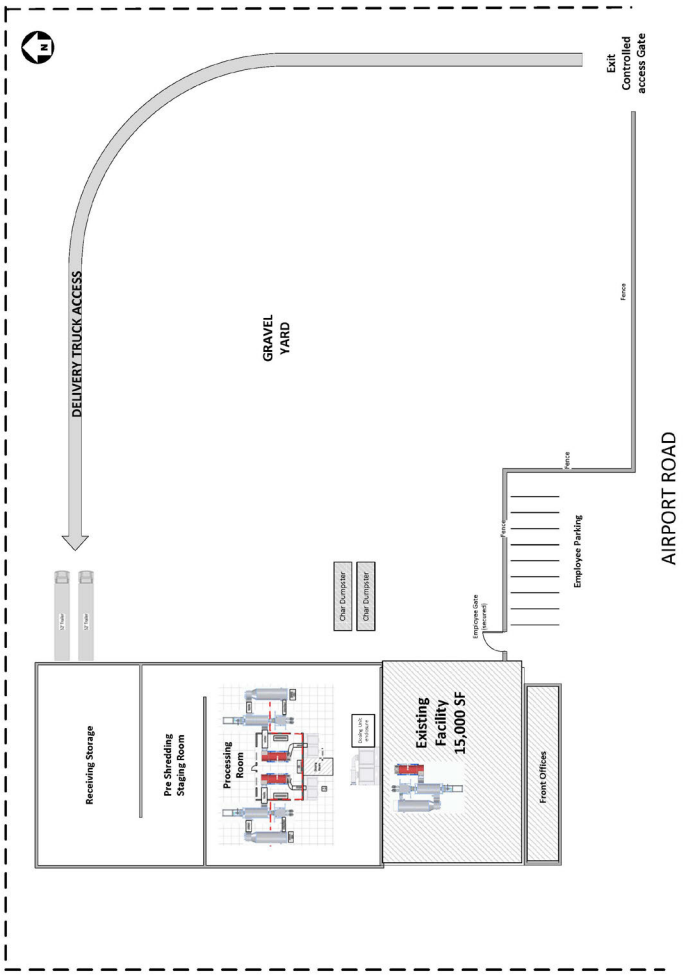
7
15
74
250 INT
8
15.0
15.0
ROOF HT @ WALL 19
38.7
38.7
100
40.00
ROOF HT @ WALL 23
STEP 60
STEP 4
17.5
15.0
15.0

FACILITY LAYOUT/ SITE MAP



SITE MAP



ATTACHMENT E

NEW EQUIPMENT PHASE 2

The following table should include all relevant equipment that will be utilized at the new facility.

Type of Equipment	Maximum Rated Capacity	Make - Model (If available)	Serial Number (If available)	Date of Manufacture	Equipment ID Number
PyroMed 550	1100 lbs./hr.	PyroMed PM-550	PM1100-20-AQ02	2026	PM1100
PLC Unit	Not Applicable	Not Applicable	Not Applicable	2026	PLCU1100
Feed System	Not Applicable	Not Applicable	Not Applicable	2026	FS1100
Pyrotube/Muffle Furnace	Not Applicable	Not Applicable	Not Applicable	2026	PMF1100
Carbon Char Vessel	Not Applicable	Not Applicable	Not Applicable	2026	CCV1100
Oxidizer	2 seconds	Not Applicable	Not Applicable	2026	OX1100
Pyrolytic Carbon Char Container	Not Applicable	Not Applicable	Not Applicable	2026	PCCC1100
Waste Heat Recovery Boiler (no burner)	4.1 M BTU/hr.	MPWHB	TBD	2026	WHRB1100
Char cooling skid	100 gallons	Not Applicable	Not Applicable	2026	CC1100
Steam Condenser	Not Applicable	Not Applicable	Not Applicable	2026	SC1100
Dry Filter-Emissions Clean Up	7500 Am^3/hr.	Glosfume HTMC600	TBD	2026	DFECU1100
Dosing Unit (automatic)	1000 kg	Not Applicable	Not Applicable	2026	DU1100
Spent Reagent Collection Container (IEU)	Not Applicable	Not Applicable	Not Applicable	2026	SRCC1100
Shredder	1500 lbs./hr.	UNTHA RS40-1000 Pro	TBD	2026	S1100

EXISTING EQUIPMENT

The following table includes all relevant equipment currently utilized at the facility

Type of Equipment	Maximum Rated Capacity	Make - Model (If available)	Serial Number (If available)	Number of Years in Use	Equipment ID Number
PyroMed™ 550	1100lbs/hr.	PyroMed PM-550	PM550-18-AQ01	5	PM1100
PLC Unit	Not Applicable	Not Applicable	Not Applicable	5	PLCU1100
Feed System	Not Applicable	Not Applicable	Not Applicable	5	FS1100
Pyrotube/Muffle Furnace	Not Applicable	Not Applicable	Not Applicable	5	PMF1100
Carbon Char Vessel	Not Applicable	Not Applicable	Not Applicable	5	CCV1100
Oxidizer	2 seconds	Not Applicable	Not Applicable	5	OX1100
Pyrolytic Carbon Char Container	Not Applicable	Not Applicable	Not Applicable	5	PCCC1100
Waste Heat Recovery Boiler (no burner)	4.1 M BTU/hr.	Superior MPWHB	TBD	5	WHRB1100
Dry Filter-Emissions Clean Up	7500 Am3/hr.	Glosfume HTMC600	TBD	5	DFECU1100
Dosing Unit (automatic)	1000 kg	Not Applicable	Not Applicable	5	DU1100
Spent Reagent Collection Container (IEU)	Not Applicable	Not Applicable	Not Applicable	5	SRCC1100
Shredder	1500 lbs/hr.	Vecoplan VAZ 1600 S XL MW	TBD	5	S1100