Attachment 2

Inspection Schedule

FORM EQP 5111 ATTACHMENT A5
INSPECTION REQUIREMENTS

This document is an attachment to the Michigan Department of Environmental Quality's *Instructions for Completing Form EQP 5111, Operating License Application Form for Hazardous Waste Treatment, Storage, and Disposal Facilities.* See Form EQP 5111 for details on how to use this attachment.

The administrative rules promulgated pursuant to Part 111, Hazardous Waste Management, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), being R 299.9504, R 299.9508, R 299.9605 and Title 40 of the Code of Federal Regulations (CFR) §§264.15 and 270.14(b)(5), establish requirements for inspections at hazardous waste management facilities. All references to 40 CFR citations specified herein are adopted by reference in R 299.11003

This license application template addresses requirements for inspections at the following hazardous waste management facility: *EQ Resource Recovery, Inc.* in *Romulus*, Michigan. (Check as appropriate)

☒ Applicant for Operating License for Existing Facility

☐ Applicant for Operating License for New, Altered, Enlarged, or Expanded Facility

This template is organized as follows:

INTRODUCTION

This section addresses the procedures used by EQ Resource Recovery, Inc. (EQRR) to conduct regular inspections of the facility. Periodic inspections will be performed for malfunctions, deterioration, operator errors and discharges which may cause or may lead to the release of hazardous waste constituents or a threat to human health or the environment. The inspection schedule described below and the attached inspection documents addresses the general conformance with the inspection requirements of 40 CFR 270.14(B)(5), 264.15 and Michigan R299.9609 and the specific inspection requirements of 40 CFR 264.174(Containers), 264.193 and 195 (Tanks), 264.1052(Pumps in Light Service), 264.1053, 264.1058 (Valves in Light Service), 264.1088(Air Emission Controls).

A5.A WRITTEN SCHEDULE

[R 299.9605 and 40 CFR §264.15(b)(1)]

Written schedules for the inspection of monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment that are important to preventing, detecting or responding to environmental or human health hazards are found as an attachment to this section. Each inspection form identifies the types of problems to be looked for during the inspection. The frequency (schedule) of inspection varies for each item based on the rate of deterioration of the equipment and the probability of an environmental or human health incident if the deterioration, malfunction, or any operator error goes undetected between inspections.

A5.A.1 Types of Problems
[R 299.9605 and 40 CFR §264.15(b)(3)]

Container Storage Area (40 CFR 264.174)

- The condition of the containers, inspecting for leaks, signs of corrosion, deterioration, pitting, bulging and that each container is securely closed.
- Containers are properly labeled
- 55-gallon drums stacked no more than two high
- That adequate aisle space is maintained to provide for the inspection of containers while in storage.
- The secondary containment structures are inspected for evidence of spills or leaks and for structural defects
- Collection sumps are inspected for the accumulation of material

Tank Inspections

- The loading /unloading containment areas are inspected for signs of spills, leaks, or structural defects and material levels in the sumps.
- The accessible exterior of the lines and hoses to transfer wastes into and out of the tanks are inspected daily.
- The accessible exterior or each tank is inspected on a daily basis for corrosion, and the release of waste.
- The overfill/spill control equipment is inspected to determine if it is in good working order.
- The secondary containment structure is inspected for evidence of spills or leaks and for structural defects.

A licensed professional engineer evaluates individual Hazardous Waste tanks. Results of this inspection are recorded in a report prepared by the licensed professional engineer.

- The exterior surfaces of the tanks are inspected for evidence of cracks, fissures, erosion, and deterioration.
- Wall thicknesses are measured ultrasonically to determine if there has been thinning.
- The cathodic protection is inspected on the portions of the tanks systems where it is applicable.

Emergency Equipment

- All portable fire extinguishers on site are visually inspected in accordance with 29 CFR 1910.157 (e)(2) and NFPA Standard 10, Section 4-3. These inspections are to determine if the fire extinguisher is in the designated places, if they are accessible and visible, if the operating instructions are legible, if any seals or tamper indicators are broken or missing, if any signs of physical damage, corrosion, leakage or clogged nozzles are obvious, or if pressure gauge readings are in the operating range.

- Communication and alarm systems are tested for proper function.
- Protective equipment maintained on site for use during an emergency is inventoried and inspected for integrity.
- Spill response equipment maintained for use during an emergency is inventoried and inspected for integrity. The results of this inspection are recorded on a form equivalent to the Monthly Safety/Monitoring Equipment Inspection form, See Attachments.
- An annual maintenance inspection is conducted in accordance with 29 CFR 1910.157(e)(3) and NFPA Standard 10, Section 4-4 by an outside contractor.

Site Security (264.15(b)(1))
The total perimeter fence of the facility is inspected. All gates are checked to insure that they are locked, that all warning signs remain in place and that the integrity of the fencing is intact. The results of this inspection are recorded on a form equivalent to the Daily Inspection Form, See Attached Forms.

Operating and Structural Equipment
The inspection program was developed based on the rate of deterioration of the equipment and the probability of an environmental or health incident if deterioration, malfunction, or any operator error goes undetected between inspections.

AIR EMISSION CONTROL (SUBPART BB and CC)
Pumps in light service (264.1052)
Pumps are visually inspected for indications of liquids dripping from the pump seal. If there are visual indications of liquids dripping from the pump seal, a leak is detected.

Pumps are monitored to detect leaks by methods specified in 40 CFR 265.1063(b). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

If a leak is detected a first attempt to repair the leak will be conducted as soon as practicable and no later than 5 calendar days after each leak is detected. The leak will be repaired no later than 15 calendar days after it is detected, except as provided in 40 CFR 265.1059. A sample of the inspection form is found as an attachment. The inspection form is subject to modification based on replacement/modifications of pumps.

AIR EMISSION CONTROL (SUBPART BB and CC)
Valves in light liquid service (264.1058)
Each valve in light liquid service is monitored to detect leaks by methods specified in 40 CFR 265.1063(b). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

If for two successive months a leak is not detected the monitoring will be modified only on the first month of every succeeding quarter, beginning the next quarter, until a leak is detected. After a leak is detected, the valve will return to the monthly monitoring program until no leak is detected for two successive months.

If a leak is detected, it will be repaired as soon as practicable. The first attempt will be made no later than 5 calendar days after each leak is detected, except as provided in 40 CFR 265.1059.

After proper notification to the Regional Administrator and/or DEQ the facility may elect to follow the alternative standards for valves in light liquid service in accordance with 40 CFR 264.1061 and/or 40 CFR 264.1062.

AIR EMISSION CONTROL (SUBPART BB and CC)
Flanges and other Connectors
Inspections occur for flanges and/or other connectors using visual, audible, olfactory, or any other detection method. Monitor and Repair Program (*Only if potential leak detected)*

If evidence of a leak is detected by visual, audible, olfactory, or any other detection method, the equipment will be monitored within 5 days by the method specified in 40 CFR 265.1063 (b).

If the instrument reading is greater than or equal to 10,000 ppm, then a leak is detected.

If a leak is detected the leak will be repaired as soon as practicable. The first attempt will be made no later than 5 calendar days after a leak is detected. The leak will be repaired no later than 15 calendar days after detection, except as provided in 40 CFR 265.1059.

After proper notification to the Regional Administrator and/or DEQ the facility may elect to follow the alternative standards for valves in gas/vapor or in light liquid service in accordance with 40 CFR 265.1061 and/or 40 CFR 265.1062.

AIR EMISSION CONTROL (SUBPART BB and CC)
Air Emission Controls (264.1088)
EQ Resource Recovery, Inc. has installed a Regenerative Thermal Oxidizer (RTO) and scrubber system to control odors at the site. Each tank as well as the distillation column is piped to the RTO under negative pressure for destruction of volatile organic compounds.

Ambient Air Monitors
The sample collection crew inspects the ambient air monitoring stations every twelve days. Problems and notation of repairs are made in the ambient air monitoring field log.

Vehicle Inspections
All vehicles delivering waste material are inspected prior to discharge to ensure that quantities correspond to manifests and all vehicles leaving the premises are empty or discrepancies are reconciled prior to departure. The “Waste Delivery – Post Inspection Form” is filled out for each waste delivering vehicle.

A5.A.2 Frequency of Inspection
[R 299.9605 and 40 CFR §§264.15(b)(4), 264.174, 264.193, 264.195, 264.226, 264.254, 264.278, 264.303, 264.347, 264.602, 264.1033, 264.1052, 264.1053, 264.1058, and 264.1083 through 264.1089, where applicable]

DAILY INSPECTIONS

Container Storage Area (40 CFR 264.174)
Inspection of the containers and container storage area are conducted per the inspection schedule on a daily basis. Results of each inspection are recorded on the inspection schedule/log sheets entitled "Container Management Area Inspection/Inventory Log".

Tank Inspections
Tanks systems are inspected daily. Results of each inspection are recorded on the attached

inspection log sheet "Solvent Reclaim/Fuel Blending Inspection/Inventory Log Form".

WEEKLY INSPECTIONS

AIR EMISSION CONTROL (SUBPART BB and CC)
Pumps in light service (264.1052)
Pumps are visually inspected each calendar week for indications of liquids dripping from the pump seal. If there are visual indications of liquids dripping from the pump seal, a leak is detected.

MONTHLY INSPECTIONS

Emergency Equipment
At least monthly the emergency equipment, listed in the Contingency Plan (Section A-7), is inspected. This includes the communication and alarm systems, fire extinguishers, emergency response, safety, and spill control equipment.

Site Security (264.15(b)(1))
Monthly the total perimeter of the facility is inspected. All gates are checked to insure that they are locked, that all warning signs remain in place and that the integrity of the fencing is intact. The results of this inspection are recorded on a form equivalent to the Daily Inspection Form, See Attachments.

AIR EMISSION CONTROL (SUBPART BB and CC)

Pumps in light service (264.1052)
Pumps are monitored monthly to detect leaks by methods specified in 40 CFR 265.1063(b). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

If a leak is detected a first attempt to repair the leak will be conducted as soon as practicable and no later than 5 calendar days after each leak is detected. The leak will be repaired no later than 15 calendar days after it is detected, except as provided in 40 CFR 265.1059. A sample of the inspection form is found in Appendix A-5.A. The inspection form is subject to modification based on replacement/modifications of pumps.

AIR EMISSION CONTROL (SUBPART BB and CC)
Valves in light liquid service (264.1058)
Each valve in light liquid service is monitored monthly to detect leaks by methods specified in 40 CFR 265.1063(b). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

If for two successive months a leak is not detected the monitoring will be modified only on the first month of every succeeding quarter, beginning the next quarter, until a leak is detected. After a leak is detected, the valve will return to the monthly monitoring program until no leak is detected for two successive months.

If a leak is detected, it will be repaired as soon as practicable. The first attempt will be made no later than 5 calendar days after each leak is detected, except as provided in 40 CFR 265.1059.

After proper notification to the Regional Administrator and/or DEQ the facility may elect to follow the alternative standards for valves in light liquid service in accordance with 40 CFR 264.1061 and/or 40 CFR 264.1062.

QUARTERLY INSPECTIONS

AIR EMISSION CONTROL (SUBPART BB and CC)
Flanges and other Connectors
Quarterly Inspections occur for flanges and/or other connectors using visual, audible, olfactory, or any other detection method. Monitor and Repair Program (*Only if potential leak detected)*

If evidence of a leak is detected by visual, audible, olfactory, or any other detection method, the equipment will be monitored within 5 days by the method specified in 40 CFR 265.1063 (b).

If the instrument reading is greater than or equal to 10,000 ppm, then a leak is detected.

If a leak is detected the leak will be repaired as soon as practicable. The first attempt will be made no later than 5 calendar days after a leak is detected. The leak will be repaired no later than 15 calendar days after detection, except as provided in 40 CFR 265.1059.

After proper notification to the Regional Administrator and/or DEQ the facility may elect to follow the alternative standards for valves in gas/vapor or in light liquid service in accordance with 40 CFR 265.1061 and/or 40 CFR 265.1062.

ANNUAL INSPECTIONS

Fire Extinguishers And Fire Suppression Equipment
An annual maintenance inspection is conducted in accordance with 29 CFR 1910.157(e)(3) and NFPA Standard 10, Section 4-4 by an outside contractor.

A licensed professional engineer evaluates individual tanks on an annual basis. Results of the annual inspection are recorded and a report prepared by the licensed professional engineer.

OTHER INSPECTION FREQUENCIES

Ambient Air Monitors
The sample collection crew inspects the ambient air monitoring stations every twelve days. Problems and notation of repairs are made in the ambient air monitoring field log.

Vehicle Inspections
All vehicles delivering waste material are inspected prior to discharge to ensure that quantities correspond to manifests and all vehicles leaving the premises are empty or discrepancies are reconciled prior to departure. A “Waste Delivery–Post Inspection Form” is filled out for each waste delivering vehicle leaving the site.

Operating and Structural Equipment

The frequency of inspection of these items varies. The inspection program was developed based on the rate of deterioration of the equipment and the probability of an environmental or health incident if deterioration, malfunction, or any operator error goes undetected between inspections. See Attachments for a complete inspection schedule of operating and structural equipment.

A5.B REMEDY SCHEDULE

[R 299.9605 and 40 CFR §264.15(c)]

AIR EMISSION CONTROL (SUBPART BB and CC)

Pumps in light service (264.1052)
If a leak is detected a first attempt to repair the leak will be conducted as soon as practicable and no later than 5 calendar days after each leak is detected. The leak will be repaired no later than 15 calendar days after it is detected, except as provided in 40 CFR 265.1059. A sample of the inspection form is found as an attachment. The inspection form is subject to modification based on replacement/modifications of pumps.

Valves in light liquid service (264.1058)
If a leak is detected, it will be repaired as soon as practicable. The first attempt will be made no later than 5 calendar days after each leak is detected, except as provided in 40 CFR 265.1059. After proper notification to the Regional Administrator and/or DEQ the facility may elect to follow the alternative standards for valves in light liquid service in accordance with 40 CFR 264.1061 and/or 40 CFR 264.1062.

Flanges and other Connectors
If a leak is detected the leak will be repaired as soon as practicable. The first attempt will be made no later than 5 calendar days after a leak is detected. The leak will be repaired no later than 15 calendar days after detection, except as provided in 40 CFR 265.1059.
After proper notification to the Regional Administrator and/or DEQ the facility may elect to follow the alternative standards for valves in gas/vapor or in light liquid service in accordance with 40 CFR 265.1061 and/or 40 CFR 265.1062.

Air Emission Controls (264.1088)
EQ Resource Recovery, Inc. has installed a Regenerative Thermal Oxidizer (RTO) and scrubber system to control odors at the site. Each tank as well as the distillation column is piped to the RTO under negative pressure for destruction of volatile organic compounds.

Operating and Structural Equipment
Any deterioration or malfunction of equipment or structures identified during an inspection will be remedied within a period of time to ensure that the problem does not lead to an environmental or human health hazard. Any situation noted where an imminent hazard exists will have the operation shut down and be corrected immediately. When required the procedures specified in the Contingency Plan (Section A-7) will be followed, including notification of authorities.

Accumulation of precipitation or other materials may collect in the secondary containment systems. Samples from the containments will be collected and analyzed to determine hazardous waste status. If the sample is determined to be hazardous waste then the accumulated materials will be collected and disposed through solvent recovery, fuel blending, or other appropriate

treatment or disposal method. If the sample analysis indicates that the accumulated material is non-hazardous it will be placed into dedicated storm water tanks R-1 through R-4 and processed through the on-site wastewater treatment process with subsequent discharge to POTW in accordance with the EQRR Discharge Permit.

A5.C INSPECTION LOG OR SUMMARY

[R 299.9605 and 40 CFR §264.15(d)]

All completed inspection forms will be retained as a record of completion for the inspection area or type. The inspection forms include the name of the inspector, the date the inspection was performed, inspector comments, and date that any repairs or actions were completed. The completed forms may be in written, word/excel, pdf or other computer document formats. These forms may be used to help establish preventive maintenance frequencies if recurrence of failure can be demonstrated. All inspection form records will be maintained at the facility for a minimum of three years from the date of inspection.

Blank inspection forms are controlled documents within the EQRR document control system and are readily accessible through the EQ computer network system in various locations throughout the facility. Revised versions of any of the permitted inspection forms will be available only after submittal to Michigan DEQ in accordance with the Part 111 Administrative Rules or the facility Hazardous Waste Management Facility Operating License.

Appendix A-5.A

Inspection Forms/Schedules

FUEL BLENDING LOG

DATE: _____

Daily Totals

TANK	HAZARDOUS WASTE	NON-HAZ WASTE
W-4		
W-5		
W-6		
SUBTOTAL:		

DAILY TOTAL: _____

NON-HAZ WASTE _____

REGULATED TOTAL _____

TANK W-4 FUEL BLENDING LOG

Date_____

Generator	Manifest No.	Hazardous Waste	Non-Haz Waste
Subtotal			

Daily Total_____ **Non-haz waste**_____ **Regulated Total**_____

TANK W-5 FUEL BLENDING LOG

Date_____

Generator	Manifest No.	Hazardous Waste	Non-Haz Waste
Subtotal			

Daily Total_____ **Non-haz waste**_____ **Regulated Total**_____

TANK W-6 FUEL BLENDING LOG

Date_____

Generator	Manifest No.	Hazardous Waste	Non-Haz Waste	
Subtotal				

Daily Total_____ **Non-haz waste**_____ **Regulated Total**_____

Finished Product Storage/Inventory Log

Date: _____

Signature: _____ Time: _____

Tank No.	Tank Capacity	Product Description	Stored Volume
P-1			
P-2			
P-3			
P-4			
P-5			
P-6			
P-7			
P-8			
P-9			
P-10			
P-11			
P-12			
P-13			
P-14			
P-15			
P-16			
P-17			
P-18			
P-19			
P-20			
P-21			
P-22			
P-23			
P-24			
P-25			
P-26			
P-27			
P-28			
P-29			
P-30			
P-31			
P-32			

Tank No.	Tank Capacity	Product Description	Stored Volume
P-33			
P-34			
P-35			
P-36			
P-37			
P-38			
Frac Reboiler			
R-1			
R-2			
R-3			
R-4			

Containmet	Problem	Acceptable	Unacceptable	Comments
Area A				
Area C				
Area D				
Area E				
Area F				
Area G				
Area H				

Comments

Hazardous Waste Reclaim Inspection / Inventory Log

Date: _____

Inspector: _____ Time: _____

Tank No.	Tank Capacity	Product	Haz Waste Codes	Stored Volume	Comments
W-1					
W-2					
W-3					
W-7					
W-8					
W-9					
W-10					
W-11					
W-12					
W-13					
W-14					
W-15					
W-16					
W-17					
W-18					
W-19					
W-20					
W-21					
W-22					
W-23					

Item	Problem	Accept	Unaccept	Comments
Tank Guage/Alarm				
Containment Base				
Containment Walls				
Pumps				
Piping/Fittings/Valves				
Pressure Vents				
Warning Signs				
Tanks (external)				

Safety and Emergency Equipment Inspection Log

Item	Problem	Acceptable	Unacceptable	Comments
Daily				
Absorbent	Out of Stock			
Telephone System	Power Failure			
Entrance Gate	Inoperable			
2-Way Radios	Worn Batteries			
Weekly				
Hoses	Cracks/Hoses			
Sump Pump	Inoperable			
Eye Wash	Out of Stock			
Sample Jars	Out of Stock			
Emergency Shower	Inoperable			
Face Shields	Broken/Dirty			
Respirators	Spent Filters / Cartridges			
Fire Extinguishers	Recharging			
First Aid Supplies	Out of Stock			
Tyvek Suits	Out of Stock			
Monthly				
SCBA	Air Quantity / Delivery System			
Facility Fence	Corrosion / Damage			
Warning Signs	Damaged / Missing			
Recovery Drums	Out of Stock			

Air Controls	OPERATIONAL
RTO	YES / NO
SCRUBBER	YES / NO
FLARE	YES / NO

Inspector: _____

Date: _____ Time: _____

Drum Area Inspection/Inventory Log

F001,F002

Aisle No.	Quantity	Flam Product	Liquid	Solid	F003, F005	Comments
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
Trucks						

Total Containers _____ (640 Maximum) Height of 55 gallon containers cannot exceed 2 high)
Containers less than 55 gallons cannot exceed 3 high.

Item	Problem	Accept/Unaccept		Comment/Repairs
Drums	Placement Aisle Space/Height			
	Labeling			
	Leaking/Opened			
Ramp	Corrosion			
Sump Area	Cracks/Wet Spots			
Dike	Cracks/Deterioration			
Base	Cracks/Erosion			
Containments	Empty/Full			
Warning Signs	Damaged/Missing			

Inspector:_____ Date: _____

TIME: _____

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
Additional Comments:					
C	D	1			
C	D	2			
C	D	3			
C	D	4			
C	D	5			
C	D	6			
C	D	7			
C	D	8			
C	D	9			
C	D	10			
C	D	11			
C	D	12			
C	E	1			
C	E	2			
C	E	3			
C	E	4			
C	E	5			
C	E	6			
C	E	7			
C	E	8			
C	F	1			
C	F	2			
C	F	3			
C	F	4			
C	F	5			
C	L	1			
C	L	2			
C	L	3			
C	L	4			
C	L	5			
C	L	6			
C	L	7			
C	L	8			
C	L	9			
C	L	10			
C	L	11			
C	L	12			
C	L	13			
C	L	14			
C	L	15			
C	L	16			
C	L	17			
C	L	18			
C	L	19			
C	L	20			
C	L	21			
C	L	22			
C	L	23			
C	L	24			
C	L	25			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
C	L	26			
C	L	27			
C	L	28			
C	L	29			
C	L	30			
C	L	31			
C	L	32			
C	L	33			
C	L	34			
C	L	35			
C	L	36			
C	L	37			
C	L	38			
C	L	39			
C	L	40			
C	L	41			
C	L	42			
C	L	43			
C	W	1			
C	W	2			
C	W	3			
C	W	4			
C	W	5			
C	W	6			
C	W	7			
C	W	8			
C	W	9			
C	W	10			
C	W	11			
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C	W	21			
C	W	22			
C	W	23			
C	W	24			
C	W	25			
C	W	26			
C	W	27			
C	W	28			
C	W	29			
C	W	30			
C	W	31			
C	W	32			
C	W	33			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
C	W	34			
C	W	35			
C	W	36			
C	W	37			
C	W	38			
C	W	39			
C	W	40			
C	W	41			
C	W	42			
C	W	43			
C	W	44			
C	W	45			
C	W	46			
C	W	47			
C	W	48			
C	W	49			
C	W	50			
C	W	51			
C	W	52			
C	W	53			
C	W	54			
C	W	55			
C	W	56			
C	W	57			
C	W	58			
C	W	59			
C	W	60			
C	W	61			
C	W	62			
C	W	63			
C	W	64			
C	W	65			
C	W	66			
C	W	67			
C	W	68			
C	W	69			
C	W	70			
C	W	71			
C	W	72			
C	W	73			
C	W	74			
C	W	75			
C	W	76			
C	W	77			
C	W	78			
C	W	79			
C	W	80			
C	W	81			
C	W	82			
C	W	83			
C	W	84			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
C	W	85			
C	W	86			
C	W	87			
C	W	88			
C	W	89			
C	W	90			
C	W	91			
C	W	92			
C	W	93			
C	W	94			
C	W	95			
C	W	96			
C	W	97			
C	W	98			
C	W	99			
C	W	100			
C	W	101			
C	W	102			
C	W	103			
C	W	104			
C	W	105			
C	W	106			
C	W	107			
D	VE	1			
F	D	1			
F	D	2			
F	D	3			
F	D	4			
F	D	5			
F	D	6			
F	D	7			
F	D	8			
F	D	9			
F	D	10			
F	D	11			
F	D	12			
F	D	13			
F	D	14			
F	D	15			
F	D	16			
F	D	17			
F	D	18			
F	E	1			
F	E	2			
F	E	3			
F	E	4			
F	E	5			
F	E	6			
F	E	7			
F	E	8			
F	E	9			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
F	E	10			
F	E	11			
F	E	12			
F	E	13			
F	E	14			
F	E	15			
F	E	16			
F	E	17			
F	E	18			
F	E	19			
F	E	20			
F	E	21			
F	E	22			
F	E	23			
F	E	24			
F	E	25			
F	E	26			
F	E	27			
F	E	28			
F	E	29			
F	E	30			
F	E	31			
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F	E	40			
F	E	41			
F	E	42			
F	E	43			
F	E	44			
F	E	45			
F	E	46			
F	E	47			
F	E	48			
F	E	49			
F	E	50			
F	E	51			
F	E	52			
F	E	53			
F	E	54			
F	E	55			
F	E	56			
F	E	57			
F	E	58			
F	E	59			
F	E	60			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
F	E	61			
F	E	62			
F	E	63			
F	E	64			
F	F	1			
F	F	2			
F	F	3			
F	F	4			
F	F	5			
F	F	6			
F	F	7			
F	F	8			
F	F	9			
F	F	10			
F	F	11			
F	F	12			
F	F	13			
F	F	14			
F	F	15			
F	F	16			
F	F	17			
F	F	18			
F	F	19			
F	F	20			
F	F	21			
F	F	22			
F	F	23			
F	F	24			
F	F	25			
F	F	26			
F	F	27			
F	F	28			
F	F	29			
F	F	30			
F	F	31			
F	F	32			
F	F	33			
F	F	34			
F	F	35			
F	F	36			
F	F	37			
F	F	38			
F	F	39			
F	F	40			
F	F	41			
F	F	42			
F	F	43			
F	F	44			
F	F	45			
F	F	46			
F	F	48			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
F	F	49			
F	F	50			
F	F	51			
F	F	52			
F	F	53			
F	F	54			
F	F	55			
F	F	56			
F	F	57			
F	F	58			
F	F	59			
F	F	60			
F	F	61			
F	F	62			
F	F	63			
F	F	64			
F	F	65			
F	F	66			
F	F	67			
F	F	68			
F	L	1			
F	L	2			
F	L	3			
F	L	4			
F	L	5			
F	L	6			
F	S	1			
F	S	2			
F	S	3			
F	S	4			
F	S	5			
F	S	6			
F	S	7			
F	S	8			
F	S	9			
F	S	10			
F	S	11			
F	S	12			
F	S	13			
F	S	14			
F	S	15			
F	S	16			
F	S	17			
F	S	18			
F	S	19			
F	S	20			
F	S	21			
F	S	22			
F	S	23			
F	S	24			
F	S	25			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
F	S	26			
F	S	27			
F	S	28			
F	S	29			
F	S	30			
F	S	31			
F	S	32			
F	S	33			
F	S	34			
F	S	35			
F	S	36			
F	S	37			
F	S	38			
F	S	39			
F	S	40			
F	S	41			
F	S	42			
F	S	43			
F	S	44			
F	S	45			
F	S	46			
F	S	47			
F	S	48			
F	S	49			
F	S	50			
F	S	51			
F	S	52			
F	S	53			
F	S	54			
F	S	55			
F	S	56			
F	S	57			
F	S	58			
F	S	59			
F	S	60			
F	W	1			
F	W	2			
F	W	3			
F	W	4			
F	W	5			
F	W	6			
F	W	7			
F	W	8			
F	W	9			
F	W	10			
F	W	11			
F	W	12			
F	W	13			
F	W	14			
F	W	15			
F	W	16			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
F	W	17			
F	W	18			
F	W	19			
F	W	20			
F	W	21			
F	W	22			
F	W	23			
F	W	24			
F	W	25			
F	W	26			
F	W	27			
F	W	28			
F	W	29			
F	W	30			
F	W	31			
F	W	32			
F	W	33			
F	W	34			
F	W	35			
F	W	36			
F	W	37			
F	W	38			
F	W	39			
F	W	40			
F	W	41			
F	W	42			
F	W	43			
F	W	44			
F	W	45			
F	W	46			
F	W	47			
F	W	48			
F	W	49			
F	W	50			
F	W	51			
F	W	52			
F	W	53			
F	W	54			
F	W	55			
F	W	56			
F	W	57			
F	W	58			
F	W	59			
F	W	60			
F	W	61			
F	W	62			
F	W	63			
F	W	64			
F	W	65			
F	W	66			
F	W	67			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
F	W	68			
F	W	69			
F	W	70			
F	W	71			
F	W	72			
F	W	73			
F	W	74			
F	W	75			
F	W	76			
F	W	77			
F	W	78			
F	W	79			
F	W	80			
F	W	81			
F	W	82			
F	W	83			
F	W	84			
F	W	85			
F	W	86			
F	W	87			
F	W	88			
F	W	89			
F	W	90			
F	W	91			
F	W	92			
F	W	93			
F	W	94			
F	W	95			
F	W	96			
F	W	97			
F	W	98			
F	W	99			
F	W	100			
F	W	101			
M	D	1			
M	F	1			
M	F	2			
M	F	3			
M	F	4			
M	F	5			
M	F	6			
M	F	7			
M	F	8			
M	F	9			
M	F	10			
M	F	11			
M	F	12			
M	F	13			
M	F	14			
M	F	15			
M	F	16			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
M	F	17			
M	F	18			
M	W	1			
M	W	2			
M	W	3			
M	W	4			
M	W	5			
M	W	6			
M	W	7			
M	W	8			
M	W	9			
M	W	10			
M	W	11			
M	W	12			
M	W	13			
M	W	14			
M	W	15			
M	W	16			
OV	D	1			
OV	D	2			
OV	D	3			
OV	D	4			
OV	D	5			
OV	E	1			
OV	E	2			
OV	E	3			
OV	E	4			
OV	E	5			
OV	E	6			
OV	E	7			
OV	E	8			
OV	F	1			
OV	F	2			
OV	F	3			
OV	F	4			
OV	F	5			
OV	F	6			
OV	L	1			
OV	L	2			
OV	L	3			
OV	S	1			
OV	S	2			
OV	S	3			
OV	S	4			
OV	S	5			
OV	W	1			
OV	W	2			
OV	W	3			
OV	W	4			
OV	W	5			
OV	W	6			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
OV	W	7			
OV	W	8			
OV	W	9			
OV	W	10			
OV	W	11			
OV	W	12			
OV	W	13			
OV	W	14			
P	D	1			
P	E	1			
P	E	2			
P	E	3			
P	L	1			
P	S	1			
P	W	1			
PR	F	1			
PR	F	2			
PR	F	3			
PR	F	4			
PR	F	5			
PR	F	6			
PR	W	1			
PR	W	2			
PR	W	3			
PR	W	4			
PR	W	5			
PR	W	6			
PR	W	7			
PR	W	8			
PR	W	9			
PR	W	10			
PR	W	11			
V	D	1			
V	D	2			
V	D	3			
V	D	4			
V	D	5			
V	E	1			
V	E	2			
V	E	3			
V	E	4			
V	E	5			
V	E	6			
V	E	7			
V	E	8			
V	E	9			
V	E	10			
V	E	11			
V	E	12			
V	E	13			
V	E	14			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
V	E	15			
V	E	16			
V	E	17			
V	E	18			
V	F	1			
V	F	2			
V	F	3			
V	F	4			
V	F	5			
V	F	6			
V	F	7			
V	F	8			
V	F	9			
V	F	10			
V	F	11			
V	F	12			
V	F	13			
V	F	14			
V	F	15			
V	F	16			
V	F	17			
V	F	18			
V	F	19			
V	F	20			
V	F	21			
V	F	22			
V	F	23			
V	L	1			
V	L	2			
V	L	3			
V	S	1			
V	S	2			
V	S	3			
V	S	4			
V	S	5			
V	S	6			
V	S	7			
V	S	8			
V	S	9			
V	S	10			
V	S	11			
V	S	12			
V	S	13			
V	S	14			
V	S	15			
V	S	16			
V	S	17			
V	S	18			
V	S	19			
V	W	1			
V	W	2			

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID			Accept	Unaccept	Comment/Repair Action & Date
V	W	3			
V	W	4			
V	W	5			
V	W	6			
V	W	7			
V	W	8			
V	W	9			
V	W	10			
V	W	11			
V	W	12			
V	W	13			
V	W	14			
V	W	15			
V	W	16			
V	W	17			
V	W	18			
V	W	19			
V	W	20			
V	W	21			
V	W	22			
V	W	23			
V	W	24			
V	W	25			
V	W	26			
V	W	27			
V	W	28			
V	W	29			
VE	F	1			
VE	F	2			
VE	F	3			
VE	F	4			
VE	F	5			
VE	F	6			
VE	W	1			
VE	W	2			
VE	W	3			
VE	W	4			
VE	W	5			
VE	W	6			
VE	W	7			
VE	W	8			

E= East Pad
S= South Pad
F= Fuel Tank Farm
W= Waste Tank Farm
L= LUWA Room
D= Drum Emptying System
F=Fuel Tank Farm

F=Flange
OV=Open Ended Valves
C=Connection
V=Valve
VE=Tank Vent
P=Pump
M=Manhole
PR=Pressure Reliefs

Inspector: _____ Background level during testing:_____

Inspector: _____
Date: _____

EQ Resource Recovery, Inc.
Monthly Air Emission Monitoring

Location ID	Accept	Unaccept	Comment/Repair Action & Date (Insert Numeric Value or ND for Non-Detect)

Date/Time: _____ Equipment Used: _Model OVA 128 Organic Vapor Analyzer

Addtional Comments: _____

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RCRA Subpart CC Semiannual Fixed Roof Tank Inspection

Objective: To ensure that all closure devices, flanges, connections, pressure/vacuum relief vents, conservation vents, flame arrestors and all other possible openings on the tanks from which air pollutants could be emitted are free of defects[1] and are closed.

Tank	Inspection Item	Potential Problem	Accept	Unaccept	Comments/ Repairs
W-1	Closure Devices	Defective or Open			
W-2	Closure Devices	Defective or Open			
W-3	Closure Devices	Defective or Open			
W-4	Closure Devices	Defective or Open			
W-5	Closure Devices	Defective or Open			
W-6	Closure Devices	Defective or Open			
W-7	Closure Devices	Defective or Open			
W-8	Closure Devices	Defective or Open			
W-9	Closure Devices	Defective or Open			
W-10	Closure Devices	Defective or Open			
W-11	Closure Devices	Defective or Open			
W-12	Closure Devices	Defective or Open			
W-13	Closure Devices	Defective or Open			
W-14	Closure Devices	Defective or Open			
W-15	Closure Devices	Defective or Open			
W-16	Closure Devices	Defective or Open			

Inspector:_____ Date:_____

Time:_____

RCRA Subpart CC Semiannual Fixed Roof Tank Inspection

[1] Defects include, but are not limited to, visible crack, holes, or gaps in the roof sections or between the roof and the tank wall; broken, cracked, or otherwise damaged seals or gaskets on closure devises; and broken or missing hatches, access covers, caps, or other closure devises.

Objective: To ensure that all closure devices, flanges, connections, pressure/vacuum relief vents, conservation vents, flame arrestors and all other possible openings on the tanks from which air pollutants could be emitted are free of defects[2] and are closed.

Tank	Inspection Item	Potential Problem	Accept	Unaccept	Comments/ Repairs
W-17	Closure Devices	Defective or Open			
W-18	Closure Devices	Defective or Open			
W-19	Closure Devices	Defective or Open			
W-20	Closure Devices	Defective or Open			
W-21	Closure Devices	Defective or Open			
W-22	Closure Devices	Defective or Open			
W-23	Closure Devices	Defective or Open			

Inspector:_____ Date:_____

Time:_____

[2] Defects include, but are not limited to, visible crack, holes, or gaps in the roof sections or between the roof and the tank wall; broken, cracked, or otherwise damaged seals or gaskets on closure devises; and broken or missing hatches, access covers, caps, or other closure devises.

Fuel Blending Inspection/Inventory Log

Tank No.	Tank Capacity	Material Stored	Hazard Waste Code	Stored Volume	Comments
W-4	15,130 gallon				
W-5	15,130 gallon				
W-6	15,130 gallon				

Item	Problem	Acceptable	Unacceptable	Plan of Action/Comments
(Daily) Mixers	Leaking/Inoperable			
Tank Gauge/Alarm				
Piping/Fittings/Valves	Leaks/Corrosion/Deterioration			
Pressure Vents	Sticking			
Tanks (external)	Leaks/Corrosion			
Containment Base	Cracks/Erosion			
Containment Walls	Cracks/Erosion			
Warning Signs	Damaged/Missing			
(Annual) Tanks (Internal)	Deterioration			
(Annual) Tanks (Shell Thickness)	Loss of Metal Thickness			

Inspector: _____ Date: _____ Time: _____

IL 060.0 Updated 9/30/07
Revision 3.0
d belisle

MONIT0RING EQUIPMENT INSPECTING LOG

MONITERING EQUIPMENT INSPECTION SCHEDULE

FREQUENCY	EQUIPMENT
WEEKLY	Air Sampling Equipment: Confirm Power to Sampling Device(s).
QUARTERLY	Groundwater Monitoring Wells: Monitor Well Security Inspect Individual Well Security Devices (Caps, Covers, Locks) for Malfunction, Deterioration, Vandalism and Damage.

ITEM	PROBLEM	ACCEPTABLE	Unacceptable	COMMENTS
Quarterly: Monitor Well Security	Power Failure			
Weekly: Air Monitors	Damaged/Missing			
Monitor Well Integrity	Damaged			

Inspector: _____

Date: _____

Time: _____

# of Containers	Size	Consistency (solid, liquid, processable solid, single, or multi-phased)
a)_____	_____	_____
b)_____	_____	_____
c)_____	_____	_____
d)_____	_____	_____

Generator Name_____

WASTE DELIVERY – POST INSPECTION

Date:_____ **Manifest:**_____ **Approval:**_____

Bulk: Quantity_____ **Drums**: Number_____
Waste Code_____ Waste Code_____

Vehicle Type:

_____Tanker
_____Van
_____Flat Bed
_____Roll-Off
_____Vacuum Tanker
_____Other

Load Type:

_____Bulk
_____Drums
_____Totes
_____Other

Vehicle Inspection:

_____"**Not Empty**" (>0.3%), Return vehicle to unloading area, remove waste, repeat inspection.

_____"**Empty**" (>0.3%), Non-removable. Comment_____
_____
Return vehicle to waste reception area for remaining load rejection.

_____"**Empty**" (<0.3%), Non-Removable. Comment_____
_____Direct Vehicle to Exit.

_____"**Clean**", Direct vehicle to exit.

Drums: Do quantities and types of drummed waste on the vehicle correspond to manifest description of waste, description of waste destined for another TSDF or return to generator?

_____**Yes:** Instruct driver to proceed through exit
_____**No:** Instruct driver to waste receipt area for remaining load reconciliation.

Clearance For Exit: Only after a vehicle is empty, partial load rejection, or load reconciliation is complete.

Inspector_____

VACUUM Truck Inspection Report

Date:_____

Operators Name:_____ Time:_____

Hours on pump:_____

Inspection / maintenance point	Status	Action taken
Hydraulic oil reservoir on vacuum pump		
Vacuum pump flush - Pour diesel in, 30 seconds idle, 30 seconds pressure - Release pressure, re-due with hydraulic oil		
Radiator level		
Engine oil level		
Diesel fuel level		

Maintenance Items:

Item	Notified maintenance-	If Yes- Work order #	If no- Action taken