MRC/FIBERIGHT PROCESSING FACILITY
LIST OF DELIVERABLES

Deliverable #19:

19. Provide additional information related to meeting the odor control standards of Chapter 409.

Provide vendor specifications of the door system, duct and air handling system, and odor control system (e.g., scrubbers). Provide location of air handling intakes. Provide manufacturer's performance and efficiency data for the odor control and air handling systems related to odor control.

Vendor specifications for the equipment that will be used as part of the odor control system is attached. This equipment includes high speed doors and the components of the odor scrubbing system. The doors can be opened or closed in approximately 8.5 seconds and will remain in the closed position as long as the number of trucks in the queue allows.

The General Arrangement Process Diagram (Deliverable #12) depicts the location of the scrubber system air intakes. The General Arrangement Process Diagram also depicts the wall that separates the sections of the process that have the highest potential for nuisance odors and the remainder of the processing facility. Potential nuisance odors generated on the tip floor, primary processing area, MRF, and pulping area are controlled by the scrubber system. As previously described, the scrubber system consists of two dual-stage odor scrubber trains. Each train consists of an induced draft fan that operates at approximately 50,000 ACFM. One scrubber train runs constantly with intakes located over the pulpers and drawing ambient air across the waste handling area. When the high-speed overhead doors are opened to receive waste, the second scrubber train actuates in order to draw additional ambient air from the waste handling area and maintain this area under negative pressure.

Specifications and representative drawings of the scrubber components are attached. Included in the AMEC proposal are control efficiencies for H2S, VOC (odor), and ammonia control.

The operating concept and proposed placement of the scrubber system air intakes has been reviewed by a Professional Engineer (Mechanical) licensed by the State Maine, and has been determined to be based on sound engineering principles.

Provide additional information related to meeting the odor control standards of Chapter 409. Update the Operations Manual to include a complaint response system and viable alternatives to address odor complaints that exceed Chapter 409 odor control standards. Provide comparative analysis of other similar waste management facilities (i.e., distances to residents, buildings, property boundaries).

Attached is the text that will be added to the Operations Manual to address the complaint response system.

EQUIPMENT SPECS

DOORS & SCRUBBER SYSTEM

PAYLON
INDUSTRIAL ROLL UP DOORS

QUOTE

Quotation #: **20629 A-2**
Date: 12/7/2015

Phone: 989-402-1075 Fax: 888-515-3183
5603 Firethorne Dr. - Bay City MI - 48706

BILL TO:

Andy Gotsch
agotsch@fiberight.com
443-506-2482

SHIP TO:

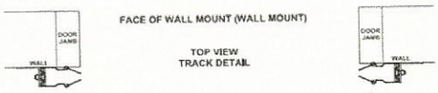
Fiberight

GENERAL TERMS & CONDITIONS
* Orders are to be paid in advance w/o credit approval
* No refunds are possible on this custom made order
* This quotation is valid for 30 days from date of issue

Shipping Terms	Delivery	Payment Type
Pre-Paid	2-3 Weeks To Ship	Credit Card - Bank Wire

Qty	Part #	Description				Unit Cost	Line Total
		Industrial Roll Up Doors					
	GXPVD 20629	PRODUCT	GXPVD-700 Roll Up Vinyl Door / Jack-Shaft Motor				-
4	Motorized, Jack Shaft	Dimensions:	16	16	Width x Height (Clear Opening)		
4	Motorized, Jack Shaft	Dimensions:	16	14	Width x Height (Clear Opening)		
4	Motorized, Jack Shaft	Dimensions:	14	14	Width x Height (Clear Opening)		
		MATERIAL:					-
		Curtain:	PVC Coated Puncture Resistant Vinyl				-
		Spec.	40 oz Vinyl Fabric W/ PVC Window				-
		Color:	Green				-
		Curtain Options:	Aluminum Hinges / 6" Deep Aluminum Tracks				-
							-
		MOUNTING:					-
		Door Location:	Outside Application				-
		Door Mounting:	Inside Face of Wall				-
		Mounting Options:	None Needed				-
							-
		OPERATION:					-
12	LH Motor	Motor Style:	Reduction Drive-1/2HP 120V 8 Amp				-
		Cycle Speed:	22" Per Sec				-
12	Wall Switch	Controller:	1# 3-Postion Wall Switch (Standard)				-
		Electric Options:	None Needed				-
							-
							-
		YOUR APPLICATION:					-
		Duty Cycles Per Hr:	6-20 Times Per Hour				-
		Type of Traffic	Foot & Motorized				-
		Wind / Neg Pressure:	High				-
		Inside Moisture:	Normal				-
							-
		FEATURES:					-
		1. Components	Made with durable materials and components				-
		2. Maintenance	Overall low operation and maintenance cost.				-
		3. Warranty	One year warranty on all parts and curtain				-
							-
		Special Note:	**Shipping and Installation price are NOT Included**				-
						Subtotal	

This is a quotation on the goods named, subject to conditions noted above or below: Lead times are only an estimate, and can be better confirmed at time of you placing an order. Products can be shipped on prepaid freight and added to the invoice. Complete terms are available at Paylon's website



PAYLON
INDUSTRIAL ROLL UP DOORS

Paylon Industrial Roll up Doors - 5603 Firethorne Dr - Bay City MI - 48706

Dennis Fullerton — *Authorized by*

12/7/2015 — *Date*

PAYLON
INDUSTRIAL ROLL UP DOORS

HIGH CYCLE ROLL-UP VINYL DOOR

Vinyl Roll-UP High Cycle

EXCLUSIVE JACKSHAFT OPERATOR ~
22" per second operating speed - 100+ cycles per day, ½ hp, 120 v, 1 ph, 8 amps. Other motor options available.

Supplied with open, close, stop push button station, automatic time to close and a set of photo eyes.

ACCESSORIES ~
Watertight Motor, Splash Proof Cover, 460 volt - 3 Phase Motor, Safety Edge, Radio Controls, Pull Cords, Motion Detector

Maximum 16' wide x 18' high

MOUNTING OPTIONS ~
Face of Wall Mount, Stand-Off Bracket Mount, and E-Track Mount. Custom engineered according to size of opening.

HEAD ROOM ~
18" will be required.

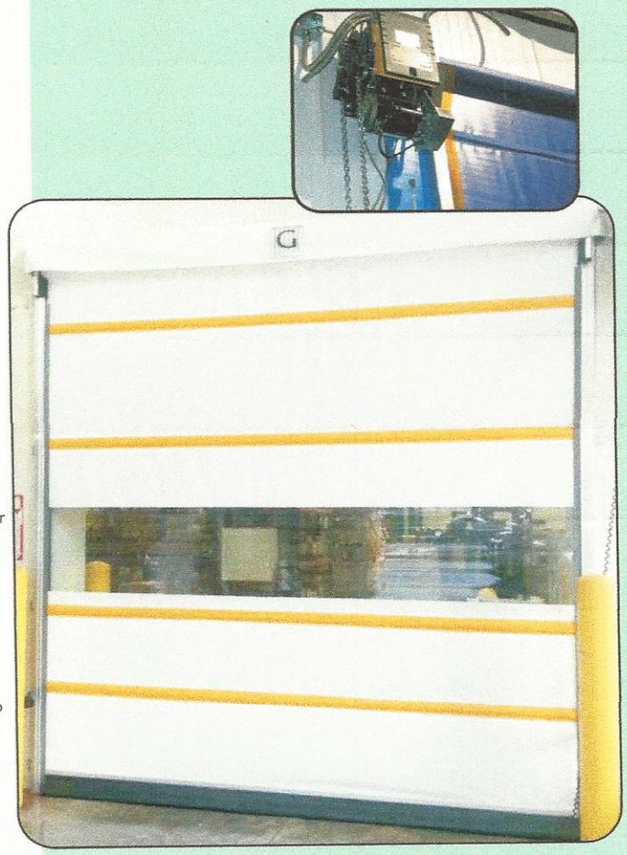
TRACKS ~
2" wide and 2" deep Snaptite aluminum tracks. Header mount will take up to 2-1/2" of side room on each side. Wall mount will take up to 6" of side room on each side. Doors 11' wide and over will require 4" deep Snaptite tracks. Optional 6" deep track for additional wind load.

WEATHERSTRIPPING ~
Grey vinyl weatherstripping is angled to provide a tighter seal to better control inside temperature.

RESET SYSTEM ~
Interlocking brush seal is incorporated at the top of the Snaptite tracks causing a reset system. Should the door be forced out of the tracks by accidental impact, the door is designed to reset back into the guides.

BREAKAWAY FEATURE ~
Fiberglass windbars remain flexible enough to pop out in case of accidental impact. Optional aluminum hinges available with bottom profile breakaway system for additional wind load. Breakaway feature is used in the bottom profile bar to help prevent damage to the door by accidental impact. Aluminum bottom profile with cushioned edge and a bottom draft seal for positive floor contact.

VINYL ~
22 or optional 40 ounce green vinyl solid panel with clear full width vision panel. Yellow safety stripes cover the windbars for high visibility.



Proposal Number: 174-3733- 010-T-010

SCOPE OF SUPPLY
For
AMEC Power and Process

Attention: Matthew De Kam

Rep: Great Northern Environmental

Matt Fritze

Phone: (651) 289-9100

Date:	November 18, 2013
Validity	60 days
Expiration date:	January 18, 2014

Haluk M. Bafrali *Nov. 18, 2013*

Approved by Date

Terms and Delivery

BUDGET Price:	**US$ 850,000.00**
Options:	
Service	**Not included**

Term of Sale:	**F.O.B. Shipping Point, Freight Allowed**
Payment Terms:	**Net 30 days**
Submittals:	**4 – 6 weeks after receipt of order with complete details**
Shipment:	**12 – 14 weeks after approval with release for fabrication**

Validity
Pricing is valid for 60 days from the date given on the cover page of this document. Pricing and Payment Terms are subject to credit approval.

Escalation
Due to market volatility in key raw materials including, but not limited to, steel, nickel, chrome, copper, precious, and other metals, thermoplastic and FRP resins, pricing provided may be subject to escalation at time of Met-Pro issuance of purchase orders to its suppliers.

Offer Acceptance
ACCEPTANCE OF THIS OFFER IS LIMITED TO ITS TERMS INCLUDING ALL OF THE TERMS AND CONDITIONS ATTACHED, WHICH ARE PART OF THE OFFER.

To insure proper processing, a purchase order resulting from this proposal should **reference proposal number # 263-3693-010-T-010**, and be issued to: Duall, Met-Pro Technologies.

Contact information:
Haluk M. Bafrali
Regional Sales Manager – Municipal Systems
Phone: 412-220-9713
e-mail: hbafrali@met-pro.com

Accepted by:

Title:

DUALL
Air & Water Technologies
A CECO Environmental Company

BASIS OF DESIGN

Service Conditions: **100,000 CFM Total Flow**
Two (2) trains each with a flow of 50,000 CFM
Location of Equipment: Indoors
Free-Standing: Yes

Process Requiring Controls:
No. of Control Stages: Two (2) Stages each train
Stage 1 & 2:

Gas Conditions:	Inlet	Outlet
Flow Rate, ACFM	50,000	50,000
Temperature, F	70	70
Relative Humidity, %	75%	75%
Bulk Gas Composition	Air	Air

Contaminant	Inlet	Outlet	Overall Removal Efficiency
Ammonia	**15,000 ppb**	**750 ppb**	**95%**
H_2S	**1,000 ppb**	**100 ppb**	**99% or 100 ppb whichever is greater**
VOCs (as H_2S)	**6,000 ppb**	**600 ppb**	**99%**

Operating Parameters:

Stage	1	2
Differential Pressure Drop, iwg	2”	3”
Flow Direction	Cross flow	Counter current

Chemical Usage: **Per 50,000 cfm train.**

H_2SO_4 (93%) **0.40 gph**

NaOH (20%) **1.6 gph**

NaOCl (12%) **9.5 gph**

DUALL
Air & Water Technologies
A CECO Environmental Company

Equipment Scope of Supply: Two (2) 50,000 CFM Trains:

Each Train to consist of:

A. Cross-Flow Scrubber – Duall Model F105-202S complete with:

- Material of Construction: Heavy Duty Corrosion Resistant PVC
- Spray Liquid Distributor: PVC Nozzle(s)
- Plumbing: Schedule 80 PVC
- Scrubbing Bed: High Efficiency Polypropylene Spherical Packing
- Mist Eliminator Bed: High Efficiency Polypropylene Spherical Packing
- Differential Pressure Gauge: Magnehelic
- Transitions: Inlet and Outlet
- Recirculation Pump: Vertical Seal-less/Horizontal with TEFC Motor

B. Packed Tower Scrubber – Duall Model PT510-132 Complete with:

- Material of Construction: Heavy Duty Corrosion Resistant PVC
- Spray Liquid Distributor: PVC Nozzle(s)
- Plumbing: Schedule 80 PVC
- Scrubbing Bed: High Efficiency Polypropylene Spherical Packing
- Mist Eliminator Bed: High Efficiency Polypropylene Spherical Packing
- Differential Pressure Gauge: Magnehelic
- Transitions: Inlet and Outlet
- Recirculation Pump: Vertical Seal-less/Horizontal
- Recirculation Sump: Self Contained/Remote with TEFC Motor

C. FRP Fan – Duall Model NH-98 Fan

Complete 125 HP, TEFC, 1800 RPM, 3 ph., 60 Hz. 460 V. motor.

D. Inter-Connecting Duct Work

Duct work between cross flow scrubber and packed tower scrubber.
Duct work between packed tower scrubber and fan.

E. Control Panel

NEMA 4X Control panel with motor starters for fan and pumps.
pH and ORP controllers.

F. Chemical Metering Pumps

Three (3) metering pumps.
One H_2SO_4 pump.
One NaOH pump.
One NaOCl pump.

ITEMS NOT SUPPLIED BY Met-Pro Environmental Air Solutions: Unless specifically listed in our scope of supply, these items are not part of this proposal. Please contact MPEAS for optional pricing.

- All permits, taxes, duties, brokerage, local fees and licensing fees are the responsibility of others.
- Freight driver detention expenses.
- Off loading and storage.
- All piping, valves, and accessories required to complete installation.
- All electrical wiring, conduit, motor control centers, local disconnects, and instrumentation connection accessories.
- Inlet ducting, pipe and collection hoods
- Supports/Hangers.
- Hardware.
- Gas detectors and or sensors.
- Dampers/Actuators
- Flexible Connectors
- Pre-wiring or skid mounting of panel.
- Fan sound acoustical cladding.
- Installation (basic).
- System airflow balancing.
- Annual or biannual system inspection and balancing (site visits).
- Installation supervision.

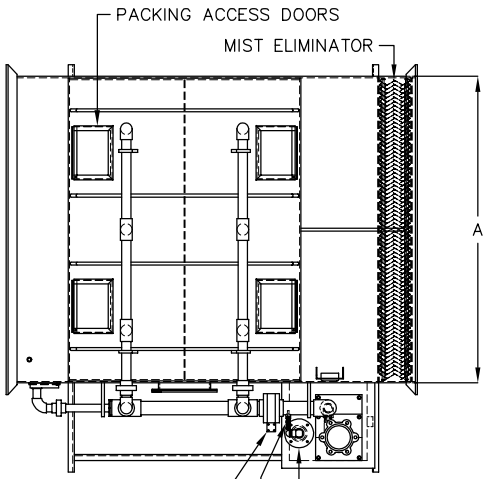
Notice

All material contained in this Quote is proprietary and shall be treated confidentially by all recipients. Your acceptance of this material constitutes acknowledgment of the confidential relationship under which disclosure and delivery are made. This Quote represents our interpretation of your requirements based on the specific information provided at time of inquiry, and should discrepancies arise, modifications be made, or understandings differ, we reserve the right to modify the Quote. This Quote is for this inquiry only and does not eliminate or supersede any other agreements or obligations (financial or otherwise), between the parties.

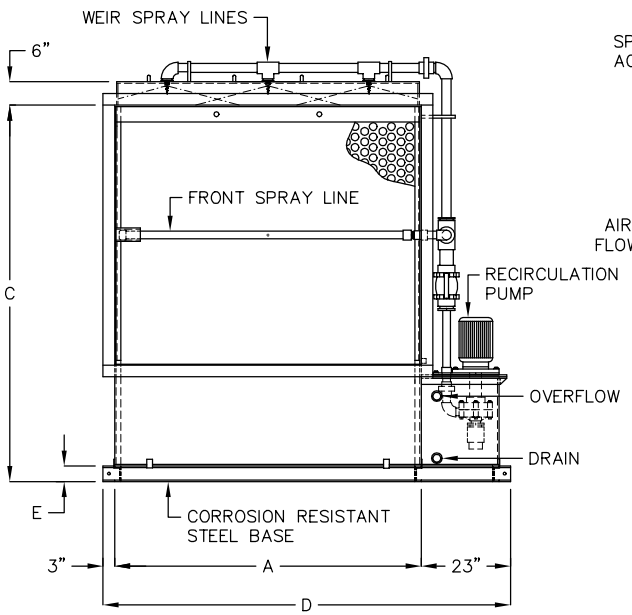
DUALL
Air & Water Technologies
A CECO Environmental Company

NOTES:

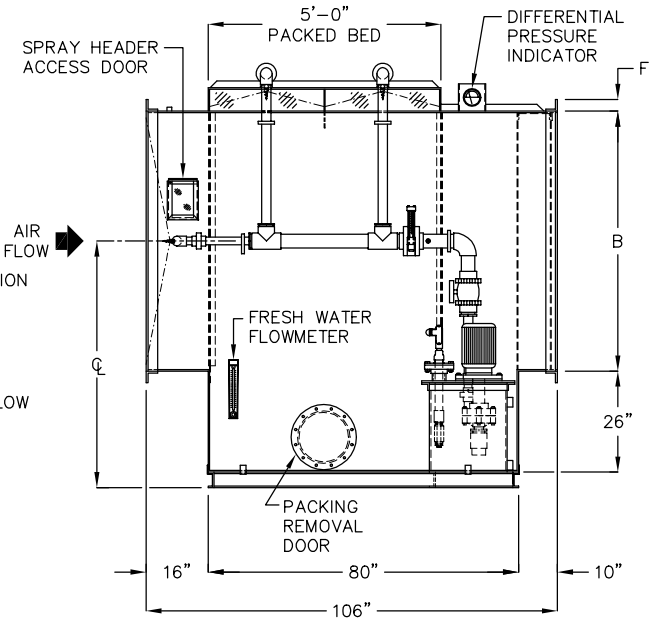
1. DIMENSIONS IN INCHES, WEIGHTS IN POUNDS.
2. DIMENSIONS ARE APPROXIMATE ONLY, DO NOT USE FOR FABRICATION.
3. STANDARD MATERIALS ARE PVC, CPVC, PP, & PVC/FRP.
4. MAXIMUM PRESSURE DROP ACROSS THE SCRUBBER AT DESIGN CONDITIONS IS 2 1/2" W.C.



PLAN VIEW



LEFT ELEVATION



FRONT ELEVATION

MODEL NUMBER	MAX. CFM	A	B	C	D	E	F	℄	DRY WEIGHT	PUMP QTY. AND H.P.
F105-18S	500	18	10	39	44	3	2	34	784	(1) 2 HP
F105-22S	1,000	22	14	43	48	3	2	36	942	(1) 2 HP
F105-28S	2,000	28	20	49	54	3	2	39	1,094	(1) 2 HP
F105-32S	2,700	32	24	53	58	3	2	41	1,148	(1) 2 HP
F105-37S	3,700	37	29	58	63	3	2	43½	1,237	(1) 2 HP
F105-41S	4,700	41	33	62	67	3	2	45½	1,398	(1) 2 HP
F105-45S	6,000	45	37	66	71	3	2	47½	1,491	(1) 5 HP
F105-52S	8,000	52	44	73	78	3	2	51	1,654	(1) 5 HP
F105-58S	10,000	58	49	78	84	3	3	53½	1,849	(1) 5 HP
F105-64S	12,000	64	54	83	90	3	3	56	1,997	(1) 5 HP
F105-69S	14,000	69	59	88	95	3	3	58½	2,437	(1) 5 HP
F105-74S	16,000	74	64	93	100	3	3	61	2,468	(1) 5 HP
F105-79S	18,000	79	67	97	105	4	3	63½	2,561	(1) 7½ HP
F105-84S	21,000	84	71	101	110	4	3	65½	2,746	(1) 7½ HP
F105-90S	23,000	90	73	103	116	4	3	66½	2,990	(1) 7½ HP
F105-96S	25,000	96	73	103	122	4	3	66½	3,173	(1) 7½ HP
F105-104S	27,000	104	73	103	130	4	3	66½	3,524	(1) 7½ HP
F105-112S	30,000	112	73	103	138	4	3	66½	3,918	(1) 7½ HP
F105-123S	32,500	123	73	103	149	4	3	66½	4,081	(1) 7½ HP
F105-135S	35,000	135	73	103	161	4	3	66½	4,473	(1) 7½ HP
F105-157S	40,000	157	73	103	183	4	3	66½	5,137	(2) 7½ HP
F105-179S	45,000	179	73	103	205	4	3	66½	5,635	(2) 7½ HP
F105-202S	52,000	202	73	103	228	4	3	66½	6,233	(2) 7½ HP
F105-224S	57,000	224	73	103	250	4	3	66½	6,794	(2) 7½ HP
F105-247S	63,000	247	73	103	273	4	3	66½	7,329	(2) 7½ HP

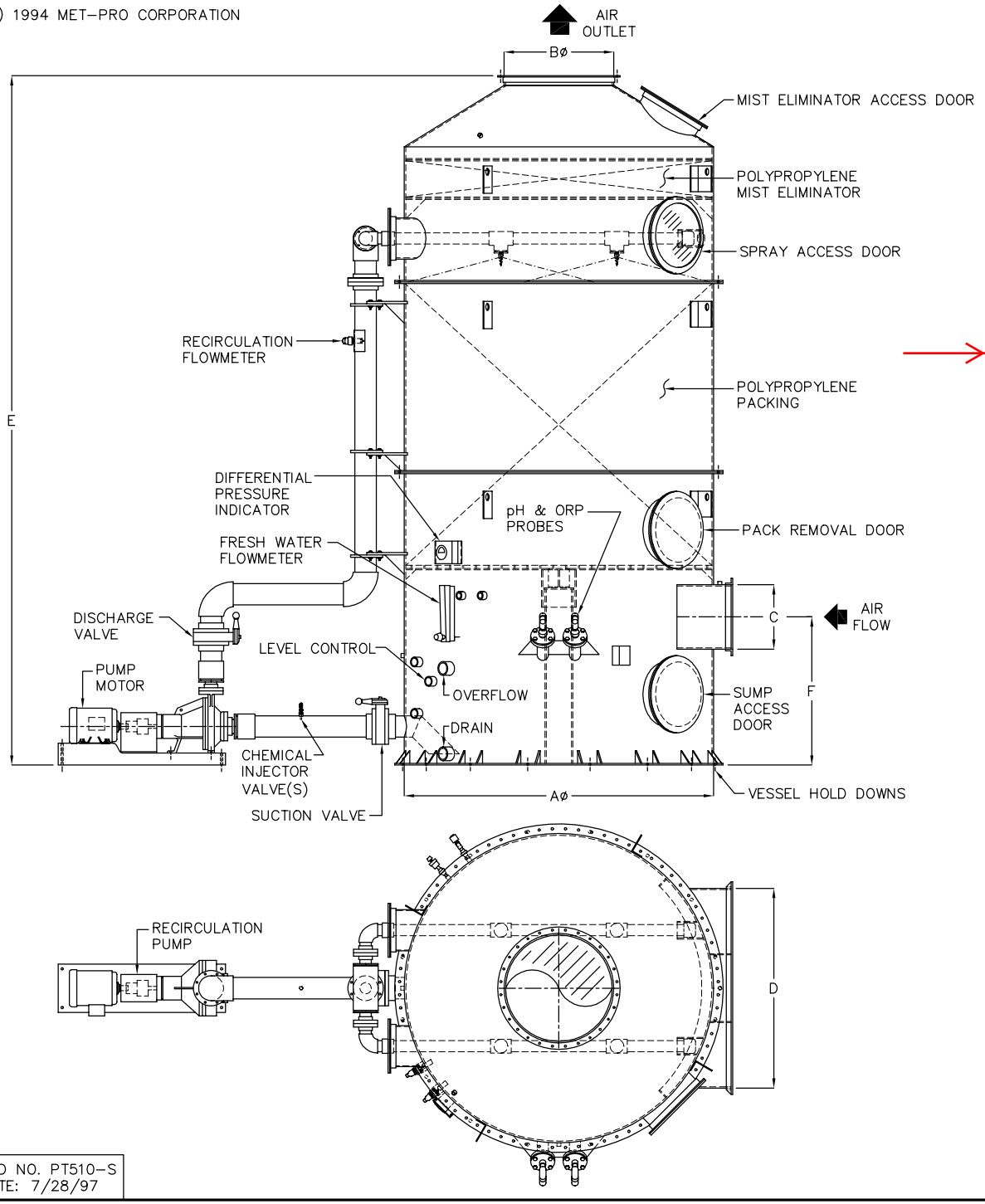
MODEL F105 SCRUBBER
(SELF CONTAINED RECIRCULATION)

MET PRO CORPORATION

DUALL DIVISION
1550 INDUSTRIAL DRIVE
OWOSSO, MI 48867

DATE	DUALL JOB NO.
AIR FLOW RATE	C.F.M.
PRESSURE DROP	W.C.
RECYCLE RATE	G.P.M.
MAKE-UP RATE	G.P.H.

CAD NO. F105SS
DATE: 7/28/97



MODEL NUMBER	MAX. CFM	Aø	Bø	C	D	E	F	RECYCLE RATE	PUMP HP	DRY WEIGHT
PT510-24	1,500	24	12 3/4	12 3/4"ø		232	42	20	1 1/2	900
PT510-36	3,500	36	16	16"ø		236	44	46	3	1,600
PT510-48	6,500	48	20	20"ø		242	46	82	3	2,300
PT510-60	10,500	60	26	26"ø		246	49	126	5	2,700
PT510-72	15,500	72	30	30"ø		250	51	185	5	4,300
PT510-84	21,000	84	36	19	53	255	45	250	7 1/2	5,700
PT510-96	27,500	96	42	20	62	250	46	326	7 1/2	6,900
PT510-108	34,500	108	46	24	69	256	48	415	15	8,300
PT510-120	43,000	120	52	26	76	262	49	510	15	10,900
PT510-132	52,000	132	56	29	84	268	51	620	20	11,400
PT510-144	62,000	144	62	32	92	274	52	735	20	12,900

NOTES:

1. DIMENSIONS IN INCHES, WEIGHTS IN POUNDS.
2. DIMENSIONS ARE APPROXIMATE ONLY, DO NOT USE FOR FABRICATION.
3. STANDARD MATERIALS ARE PVC, CPVC, PP, & PVC/FRP.
4. MAXIMUM PRESSURE DROP ACROSS THE SCRUBBER AT DESIGN CONDITIONS IS 4 1/2" W.C.
5. LIFTING LUGS ARE SUPPLIED BY DUALL AS REQUIRED.

MODEL PT510
ODOR CONTROL SCRUBBER

MET PRO CORPORATION

DUALL DIVISION
1550 INDUSTRIAL DRIVE
OWOSSO, MI 48867

DATE	DUALL JOB NO.
AIR FLOW RATE	C.F.M.
PRESSURE DROP	W.C.
RECYCLE RATE	G.P.M.
MAKE-UP RATE	G.P.H.

CAD NO. PT510-S
DATE: 7/28/97

Review of Basis of Design

The Fiberight odor control concept with respect to engineering controls is based on operating the facility at a slightly negative pressure (0.1 inches of water column) and maintaining air volume exhaust in the tipping floor and processing portion of the facility by using a fan that will move an adequate amount of air to achieve that negative pressure. Intake louvers will be installed on the north side of the building and fresh air will be drawn across the waste storage area from north to south by exhaust fans installed on the southern side of the building. Installing the intake louvers on the opposite site of the building from the exhaust fans will allow for the maximum amount of air over the waste storage area to be drawn to the exhaust fans. The exhausted air is processed through scrubbers, which are standard engineering practice used for odor control. When the overhead doors are opened, a second exhaust fan will turn on to provide a total draw that will still maintain the space at a slightly negative pressure.

Operating the space at a slightly negative pressure and utilizing scrubbers to minimize odor are sound engineering principles. The equipment will need to be properly sized for the space, and routine preventative maintenance and repairs will need to be performed to ensure the equipment is working properly.

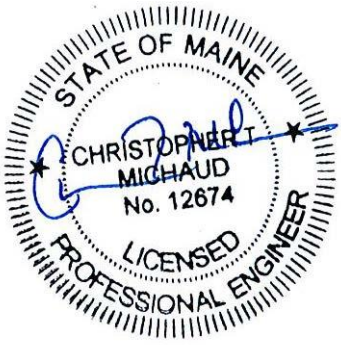
Engineer: Christopher T. Michaud, P.E.

Signature: 

Registration Number: 12674

State: Maine

Date: December 9, 2015



ODOR MANAGEMENT, COMPLAINT, AND RESPONSE PLAN

Section 1.0 Introduction

Due to the nature of the wastes that are accepted at the Fiberight facility, the potential for occasional odors may exist. Multiple systems and procedures have been included in the design of the facility to minimize any off-site odor migration. An inspection and maintenance plan has also been developed to ensure that staff is able to quickly identify and mitigate any potential causes of nuisance odor. The Air Control and Odor Management Systems are outlined in Section 2.0 below. Odor Inspection and Maintenance Procedures are outlined in Section 3.0.

During normal operation of the facility, there may be times when the waste processing operation is suspended to perform maintenance on the equipment. To control odors that may occur during these outages a Start-Up, Shutdown, and Malfunction Plan for waste storage has been developed. This plan is outlined in Section 4.0.

While systems have been designed to minimize any off-site odor, Fiberight has established an Odor Complaint Response Program to allow residents or businesses near the facility to report any potential issues, should they occur. This program also assists Fiberight with early identification and mitigation of any potential odor issues. The basic procedures for accepting and responding to an odor complaint are detailed in Section 5.0. This section also provides the operator with a list of additional controls that can be implemented to address any sources of odor that may be identified.

Section 2.0 Air Control and Odor Management System

The Fiberight facility has been designed to allow the operator to maintain negative pressure by the use of a multiple hood/intake register air removal system within the waste handling and processing areas of the building. In order to manage air-flow appropriately, two separate scrubber systems will be provided and sized to maintain a pressure of negative 0.1 inches of water column when the overhead doors are open. One of the odor scrubber trains will run continuously to maintain the design negative pressure, with the second system designed to supplement the primary odor scrubber system when the doors are open for waste delivery. To minimize the length of time the doors are open, to the greatest extent practicable, the door system design will incorporate high-speed fabric over-head doors to allow them to open and close at a faster speed than conventional over-head doors. Air control hoods/registers have been strategically placed within the building to target areas where waste odors are more likely to be present. The design layout for the air exchange system is provided in **Appendix A**. Each exhaust system has been designed with a cross-flow scrubber and a packed tower scrubber installed in series. The system is designed to remove odorants from the air prior to its discharge. The proposed odor control scrubbers will provide 95% control of ammonia, 99% control of hydrogen sulfide, and 99% of volatile organic compounds (VOCs). The filter media within the scrubbers is high efficiency polypropylene spherical packing through which the liquid

scrubbing media flows to contact the gas stream. The media within the scrubber systems will be inspected and replaced in accordance to the manufacturer's recommendations.

Waste hauling vehicles are another potential source of odor at the facility. While Fiberight is not responsible for odors caused by these trucks while they are travelling to the facility, the operator has agreed to work with the haulers to minimize the risk of off-site odors caused at the facility due to idling vehicles. In the event that there is a particularly odorous waste truck, Fiberight will immediately initiate communication with the hauler to identify the source of the waste and discuss potential ways to mitigate this situation in the future. Implementation of an odor neutralizing system is also an option that may be considered.

Section 3.0 Odor Inspections and Maintenance Procedures

As part of operations of the facility, regular inspections will be performed. These inspections will include checks for existing odor as well as potential odor causing issues on the site. These inspections will include, at a minimum, daily visual observation of the operations for obvious signs of damage or abnormal conditions within the building that will affect collection efficiency of the odor control system and a weekly inspection and odor survey around the facility. To assist the operator with continuous visual observations, visual indicators will be provided to ensure that air is being pulled into the building and from the hoods/registers.

The weekly inspection should be conducted by a staff member that has not become desensitized to waste odors. During the inspection, the individual should walk around the facility and look for conditions that may cause odor and note any odor that was observed. Examples include: buildup of liquid on the access road that may have come from waste haul vehicles; odors observed around the stormwater ponds; and strong odors noted at any distance from the facility when the doors are opened. Any follow-up actions should be noted on the inspection form. This information will be used by the facility to schedule appropriate maintenance and further identify necessary odor control systems. A copy of the Inspection Report Form can be found in **Appendix B**.

Section 4.0 Start-up, Shutdown, and Malfunction

There may be times during operations of the facility that systems will be offline for repairs due to scheduled maintenance or malfunction. Scheduled maintenance will be organized such that if possible, partial processing can still be carried out during these periods, including the maintenance on the odor control systems. During these times, the operator will minimize the amount of waste material stored on-site and match the quantity stored with what is needed for continued processing at the then current capacity. It should also be noted that the odor control scrubbers will still be in operation during scheduled and unscheduled shutdowns of the balance of the facility.

If the scheduled maintenance or malfunction of the facility is of such a nature that the waste material stored on-site would not be able to be processed within seventy-two (72) hours, such

as is the case for a long weekend, the operator has made arrangements with Waste Management's Crossroads Landfill in Norridgewock, Maine to accept bypass waste from the facility. In such circumstances, waste will be diverted at the earliest possible time to allow for minimal waste storage on the tipping floor during the shutdown. For extended shutdowns, the waste diversion procedures described above will be followed.

Section 5.0 Odor Complaint and Response Plan

Fiberight is aware that, as a solid waste facility, odors may be experienced on-site. Fiberight has taken numerous steps to minimize the migration of odors from the facility, and is committed to being a good neighbor and responding to any neighbor odor complaints that may be received. To better serve the surrounding community, the operator has established the following protocol for responding to odor complaints.

5.1 Phone Number for Complaints

Since the facility will be continuously operated, trained staff will be available to receive odor complaints from the public 24 hours per day, 7 days per week. The operations manual will be amended to include a facility contact phone number once construction of the facility is completed.

5.2 Basic Process for Odor Complaint Response

The basic steps to be followed when responding to an odor complaint is as outlined below:

1. When an odor complaint call is received, Fiberight staff shall obtain the necessary information from the caller to fill out an Odor Complaint Response Form (Form). This information includes: the caller's name and address; date and time of the complaint; and whether the caller would like someone to visit them at the location of the complaint to verify the odor. A copy of the Odor Complaint Response Form can be found in **Appendix C**.
2. The Form will be completed by the staff member answering the phone and the information relayed to the appropriately trained response staff for follow-up action.
3. If a visit is requested, the appropriate staff member should note the conditions observed during the visit. At a minimum, the following should be noted; wind direction, distance from the facility, and odor noted.
4. If a visit is not requested, or upon return from a visit, staff should perform an inspection of the facility to check for obvious sources of potential odor. Upon completion of the inspection the appropriate corrective measures should be taken.
5. The Fiberight staff member who is addressing the complaint shall notify Fiberight's Operations Manager within four hours of the complaint and notify MRC (as the

landlord and owner of the property) and MDEP (as the regulatory agency) of the complaint immediately.

6. If MDEP determines that the facility created an off-site odor nuisance, Fiberight will submit a written report to the Department detailing the cause of the nuisance odor, follow-up actions taken, as well as plans for future treatment, minimization, and control of nuisance odors. This report will be submitted within 30 days.

5.3 Future Odor Control Options

Should odors become an issue for the facility, and nuisance odors begin to migrate from the property to off-site occupied buildings, there are numerous options that can be employed at the facility.

1. Regular street sweeping/washing of the access road. During particularly dry periods of time, leakage from haul vehicles could accumulate on the access road and cause odors. An application of water for dust and odor control as well as sweeping could help to mitigate this issue. If regular washing, with water alone, is not sufficient, odor neutralizing agents can be added to the equipment to further reduce odors.
2. Odor neutralizing spray within the building. Should the vacuum system within the building prove insufficient to control nuisance odors, or require short term maintenance, odor neutralizing spray could be applied to the waste on the tipping floor to reduce odors.
3. Odor neutralizing misting system. An odor neutralizing misting system could be installed along the boundary of the waste handling area, downwind of the operations, to assist in off-site odor control should odors begin to migrate off-site.
4. If the above measures are not sufficient to mitigate nuisance odors at off-site occupied buildings, the Operator will supplement the odor control systems to address the specific odor sources and issues causing nuisance odors.

5.4 Documentation Retention and Reporting

All documentation required to be prepared by this plan (e.g., Odor Complaint Response Form, Inspection Report Form, Odor Inspection Form) shall be maintained on-site for five years and copies provided to MRC and MDEP upon request.

APPENDIX A

AIR EXCHANGE SYSTEM DESIGN LAYOUT

SEE GENERAL ARRANGEMENT PROCESS DIAGRAM

APPENDIX B

INSPECTION REPORT FORM

ODOR INSPECTION REPORT FORM

Date: _____

Inspector Name: _____

Weather Conditions: _____

Building Condition

Obvious damage to overhead doors? (y/n)

Odors noted when door is closed? (y/n)

Odors noted when door is open? (y/n)

Visual evidence of negative air at the door? (y/n)

Obvious damage to building walls? (y/n)

Yard and Access Road Condition

Any waste present around the facility? (y/n)

Any waste or liquid spillage on the access road? (y/n)

Any odor noted away from the building? (y/n)

Any odor noted around the stormwater management structures? (y/n)

Follow-up Notes

Please list any other conditions noted during the inspection and the steps taken to correct the issue:

_____

_____

_____

_____

_____

_____

_____

APPENDIX C

ODOR COMPLAINT RESPONSE FORM

ODOR COMPLAINT REPORT

Top portion of this form is to be filled out at the time of the complaint.

Date: _____

Time: _____

Name of caller: _____

Contact information for the caller:

_____

Location of complaint:

_____

Does the caller wish to have the odor verified? (y/n)

****

Bottom portion of this form is to be filled out by the responder.

Was a visit to the caller conducted? (y/n)

Distance of the complaint from the facility: _____

Was an odor noted? (y/n)

Was the caller's location downwind of the facility? (y/n)

Is there anything unusual happening at the facility? (Shutdown, maintenance, etc.?) (y/n)

Any unusually odorous waste loads delivered? (y/n)

Was a follow-up inspection conducted at the facility? (y/n)

List any items identified during the inspection that require attention.

_____

_____

What steps were taken to correct any issues identified?

_____

_____