

January 27, 2010

- DRAFT FOR REVIEW -

Reference No. 046254

Director  
Ontario Ministry of the Environment  
Environmental Assessment and Approvals Branch  
2 St. Clair Avenue West  
Floor 12A  
Toronto, ON M4V 1L5

Dear Sir or Madam:

Re: Construction Plan Report  
Woolwich Bio-En Inc., Elmira, Ontario

Conestoga-Rovers & Associates (CRA) has provided this letter, on behalf of Woolwich Bio-En Inc. (Bio-En), to meet the requirements of the Construction Plan Report as outlined in the Ontario Ministry of the Environment's (MOE's) Ontario Renewable Energy Approval Regulation (O.Reg. 359/09). The elements required for this report have been prepared by Bio-En's building contractor, Frey Building Contractors.

Attachment 1 provides the details of the construction and installation activities of the project by providing a listing of the elements that must be completed prior to operation of the Facility.

Attachment 2 provides location and timing information relating to the construction or installation activities.

Attachment 3 outlines potential negative environmental effects that may result from construction or installation activities within a 300 metre radius of the activities and provides information on the mitigation measures that will be in place.

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

John Ferguson, P. Eng.

SW/ca/7

Encl.

ATTACHMENT 1

DETAILS OF THE CONSTRUCTION  
AND INSTALLATION ACTIVITIES



Frey Building Contractors

3435 Broadway Street

Hawkesville, ON N0B 1X0

Ph: (519) 699-4641 • Fax: (519) 699-4875

October 20, 2009

Woolwich Bio En Ltd.  
4 Arthur St. N.  
Elmira ON N3B 3A2

**Re: 40 Martin's Lane Elmira ON N3B 2A1 Project**

The scope of work for the above project includes the following:

<b>Division 1</b>	<b>General Requirements</b>
01100	Summary
01200	Price and payment procedures
01300	Administrative requirements
01400	Quality requirements
01500	Temporary facilities and controls
01600	Product requirements
01700	Execution requirements
<b>Division 2</b>	<b>Site Construction</b>
02050	Basic site materials and methods
02100	Site remediation
02200	Site preparation
02300	Earthwork
02450	Foundation and load-bearing elements
02500	Utility services
02600	Drainage and containment
02700	Bases, ballasts, pavements and appurtenances
02800	Site improvements and amenities
02900	Planting
02950	Site restoration and rehabilitation
<b>Division 3</b>	<b>Concrete</b>
03050	Basic concrete materials and methods
03100	Concrete forms and accessories
03200	Concrete reinforcement
03300	Cast-in-place concrete
03400	Precast concrete
03500	Cementitious decks and underlayment
03600	Grouts
03700	Mass concrete
03900	Concrete restoration and cleaning
<b>Division 4</b>	<b>Masonry</b>
04050	Basic masonry materials and methods
04200	Masonry units
04800	Masonry assemblies
04900	Masonry restoration and cleaning

<b>Division 5</b>	<b>Metals</b>
05050	Basic metal materials and methods
05100	Structural metal framing
05200	Metal joists
05300	Metal deck
05400	Cold-formed metal framing
05500	Metal fabrications
05600	Hydraulic fabrications
05800	Expansion control
05900	Metal restoration and cleaning
<b>Division 6</b>	<b>Wood and Plastics</b>
06050	Basic wood and plastic materials and methods
06100	Rough carpentry
06200	Finish carpentry
06900	Wood and plastic restoration and cleaning
<b>Division 7</b>	<b>Thermal and Moisture Protection</b>
07050	Basic thermal and moisture protection materials and methods
07100	Damp proofing and waterproofing
07200	Thermal protection
07400	Roofing and siding panels
07500	Membrane roofing
07600	Flashing and sheet metal
07700	Roof specialties and accessories
07800	Fire and smoke protection
07900	Joint sealers
<b>Division 8</b>	<b>Doors and Windows</b>
08050	Basic door and window materials and methods
08100	Metal doors and frames
08300	Specialty doors
08400	Entrances and storefronts
08500	Windows
08600	Skylights
08700	Hardware
08800	Glazing
<b>Division 9</b>	<b>Finishes</b>
09050	Basic finish materials and methods
09100	Metal support assemblies
09200	Plaster and Gypsum Board
09300	Tile
09500	Ceilings
09600	Flooring
09700	Wall finishes
09800	Acoustical treatment
09900	Paints and coatings
<b>Division 10</b>	<b>Specialties</b>
10100	Visual display boards
10200	Louvers and vents
10240	Grilles and screens

10250 Service walls  
10260 Wall and corner guards  
10290 Pest control  
10400 Identification devices  
10450 Pedestrian control devices  
10500 Lockers  
10520 Fire protection specialties  
10530 Protective covers  
10600 Partitions  
10670 Storage shelving  
10750 Telephone specialties  
10800 Toilet, bath and laundry specialties  
10880 Scales

**Division 11 Equipment**

11010 Maintenance equipment  
11070 Instrumental equipment  
11080 Registration equipment  
11160 Loading dock equipment  
11170 Solid waste handling equipment  
11200 Water supply and treatment equipment  
11280 Hydraulic gates and valves  
11300 Fluid waste treatment and disposal equipment  
11500 Industrial and process equipment  
11600 Laboratory equipment  
11870 Agricultural equipment

**Division 13 Special Construction**

13010 Air-supported structures  
13020 Building modules  
13030 Special purpose rooms  
13100 Lightning protection  
13120 Pre-engineered structures  
13200 Storage tanks  
13230 Digester covers and appurtenances  
13260 Sludge conditioning systems  
13400 Measurement and control instrumentation  
13500 Recording instrumentation  
13700 Security access and surveillance  
13800 Building automation and control  
13850 Detection and alarm

**Division 14 Conveying Systems**

14500 Material handling  
14600 Hoists and cables  
14900 Transportation

**Division 15 Mechanical**

15050 Basic mechanical materials and methods  
15100 Building service piping  
15200 Process piping  
15400 Plumbing fixtures and equipment  
15500 Heat-generation equipment

15700 Heating, ventilating and air conditioning equipment  
15800 Air distribution  
15900 HVAC instrumentation and controls  
15950 Testing, adjusting and balancing

**Division 16**

**Electrical**

16050 Basic electrical materials and methods  
16100 Wiring methods  
16200 Electrical power  
16300 Transmission and distribution  
16400 Low-voltage distribution  
16500 Lighting  
16700 Communications

**FREY BUILDING CONTRACTORS**

Per



**Mahlon Frey**

ATTACHMENT 2

INFORMATION RELATING TO THE LOCATION  
AND TIMING OF ANY CONSTRUCTION OR INSTALLATION ACTIVITIES



Frey Building Contractors

3435 Broadway Street

Hawkesville, ON N0B 1X0

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October 22, 2009

Bio En Ltd.  
4 Arthur St. N.  
Elmira ON N3B 3A2

*Attention Earl Brubacher*

**Re: Woolwich Bio En 2.85 M/W Bio Gas Plant at 40 Martin's Lane Elmira ON**

Projected 36 week schedule to construct the 2.85 M/W Bio Gas Electric Generating Plant. Schedule to start from date contract is issued and all permits have been approved.

Week 1 through 2	Mobilization
Week 3 through 5	Site preparation, services and SWWM
Week 5 through 18	Pour concrete tanks
Week 6 through 10	Pour building foundations
Week 11 through 15	Erect pre engineered buildings
Week 15 through 19	Thermal-moisture, tanks and buildings
Week 20 through 22	Doors and windows
Week 22 through 24	Misc. tank and building construction
Week 17 through 18	Site final grading
Week 19 through 20	Site fencing
Week 20 through 21	Site paving
Week 21 through 23	Site plantings
Week 20 through 23	Concrete tank interior coatings
Week 24 through 28	Install agitators etc.
Week 29 through 32	Install tank gas covers

Mechanical Electrical Process Gas and Generation

Week 13 through 20	Install in-ground mechanical
Week 20 through 30	Install in-plant mechanical
Week 13 through 20	Install in-ground electrical
Week 20 through 30	Install in-plant electrical
Week 23 through 28	Install electrical distribution
Week 28 through 34	Install electrical generation
Week 17 through 20	Install in-ground gas
Week 22 through 30	Install in-plant gas
Week 34 through 36	Commissioning and final inspections

The above schedule allows for 36 weeks from start of project until plant is ready for occupation.

FREY BUILDING CONTRACTORS

Per

Mahlon Frey





ATTACHMENT 3

LIST OF POTENTIAL NEGATIVE ENVIRONMENTAL  
EFFECTS AND MITIGATION MEASURES



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Environmental risks due to construction procedures on site include:

**Risks**

Siltation and erosion

**Mitigation**

Siltation fencing to control erosion where pertinent

FREY BUILDING CONTRACTORS

Per \_\_\_\_\_

A handwritten signature in black ink, appearing to read "Mahlon Frey", is written over a horizontal line. The signature is stylized and cursive.

Mahlon Frey