

DATE: May 22, 2014

TO: Tania Steele

FROM: Eshetu Beshada, Ph.D., P.Eng.
Environmental Engineer
Mines and Wastewater Section
123 Main Street
Ste. 160 Union Station
Winnipeg, Mb R3C 1A5
Ph:204 945-7023

SUBJECT: **Multicrete Systems Inc. – Information for Public Registries**

Tania,

Please find attached the public and TAC correspondence related to the **Multicrete Systems Concrete Batch Plant** file (5692.00) for distribution to the public registries. The documents included are:

Public Comments

- May 4, 2014 letter from Robert Taphorn, 11 pages

TAC Comments

- May 21, 2014 e-mail from Adara Kaita, 1 page
- May 16, 2014 e-mail from Caroline Boissonneault, 1 page
- May 15, 2014 memo from James Stibbard, 1 page
- May 8, 2014 letter from Ryan Coulter, 1 page
- May 7, 2014 e-mail from Jeff Fountain, 1 page
- May 7, 2014 e-mail from Muntaseer Ibn Azkar, 1 page
- April 28, 2014 e-mail from Jason Kelly, 1 page
- April 28, 2014 e-mail from Dan Roberts, 1 page
- April 24, 2014 e-mail from Kevin Jacobs, 1 page
- April 17, 2014 e-mail from Rob Matthews, 1 page

21 pages total

Thank you.

Eshetu Beshada, Ph.D., P. Eng.

Robert Taphorn

5201551 MB LTD.
Bob's Auto Service
1-73 Hayes Road
Thompson, Manitoba R8N 1M3

May 4, 2014,

Environmental Approvals Branch
Conservation and Water Stewardship
123 Main Street, Suite 160
Winnipeg, MB R3C 1A5

Re: Multicrete Systems Inc-Concrete Batch Plant-Thompson-File 5692-00.

Dear Eshetu Beshada,

In response to the application Multicrete has proposed to receive a permit to operate a concrete batch plant at 47 Weir Road in Thompson, Manitoba. I Robert Taphorn owner of 5201551 MB Ltd property owner of 51 Weir Road in which my company operates a compound facility for a tow truck operation has been and will be vastly effected by the operations of the concrete plant if it is not repaired to code and maintained.

We have owned the land for approximately 3 years and have had nothing but problems with the concrete plant. I am sending you pictures taken on April 30, 2014 to show what we go through. All These cars belong to customers and we charge a fee per day for storage. This means we are responsible for maintaining the vehicles so they are not damaged in any way.

When people come to pick up their vehicles this is what they look like, they are completely covered in concrete dust, not road dust, pure concrete dust. The dust also gets inside the vehicles, the heater is full of dust and it is a complete mess. I have included pictures with this letter that we have taken of the cement dust on the vehicles in the compound, to give to you a view of what we see every day.

I have put in numerous complaints to Multicrete, the response from George Nichols, owner of the company is he could supply tarps to cover the cars if I want.

I have gone to the Enviromental office in Thompson, Manitoba and voiced my concern to Jeff Fountain on numerous occasions over the last few years. Jeff has done all he can do to help but the pollution and distribution on concrete dust on my property and customer's vehicles continues to be a problem.

It is so bad that I was forced to put in a workplace safety report due to the fact on most days my employees can't go to the compound due to the concrete dust blowing in the air and all over the place. The dust is not healthy to breathe in as it contains many chemicals. I feel our company has been very fair to allow this to happen for 3 years with hope that Multicrete would repair the plant and so far this has not happened. After 3 years we have lost all hope of this happening. We have asked for help from the City of Thompson, the environmental office and Multicrete to have this problem fixed. We are losing business due to the fact I cannot provide a safe and damage free storage of customers vehicles.

In my opinion I do not think Multicrete should ever receive an environmental license until their plant is cleaned up and repaired to operate properly so it doesn't damage other people's property. The plant should be shut down completely until it is repaired.

Should you have any questions regarding my opposition to Multicrete's proposal for an environmental license please feel free to contact me by phone or by email. I will gladly attend any hearings in Winnipeg at my own expense.

Sincerely,



Robert Taphorn
204-677-8699 (work)
204-679-6352 (cell)
bobsrp@mymts.net

Report Form



Family Services and Labour
 Workplace Safety and Health Division
 Mine Safety Branch
 15-59 Elizabeth Drive, Thompson, Manitoba, Canada R8N 1X4
 T 204-677-6821 F 204-677-6892
 www.safemanitoba.com

Employer Site Name (or Person) Bob's Auto Service	Employer Mailing Address 1-73 Hayes Road	
Site Description Weir Road Storage Compound	City/Town/Municipality, Province Thompson, MB Country Canada	Postal Code
Safety & Health Committee <input type="radio"/> Yes <input type="radio"/> No	Worksite Location (if different than above) Weir Road Thompson, MB	
Phone Number: 677-8699 Fax Number: 677-8785		
Worker Representative <input type="radio"/> Yes <input type="radio"/> No	Management WSH Committee/Rep Contact	
Number of Workers	Worksite Management Contact Bob Taphorn	
Union or Association Name	Worker WSH Committee/Rep Contact	
	Worksite Worker Contact	

On August 20th 2013 in response to a concern raised by Bob Taphorn (owner of Bob's Auto) of cement dust from Multicrete contaminating his compound.

I inspected the site accompanied by David Hardisty (Environment Officer Manitoba Conservation & Water Stewardship). At time of Inspection some dust noted in the compound area and Multicrete plant was not operating at this time.

An Inspection of Multicrete was conducted immediately following up on the concerns raised.

This Report Form has been discussed with the undersigned, and a copy given to each on 27 August 2013 at 11:20

The following documents must be posted at the workplace: a copy of any report or document applicable to the workplace, as issued or recommended by a safety and health officer.

Signed: Bob Taphorn
 Employer's Representative and Title

 Workers Representative - Safety and Health

Joe Dobbin
 Joe Dobbin - Mines Inspector





PM – Condition Inspection

Procedure #: TH-PP-00-04-001

Code	Item	PM Status	Work order n°	Comments
5	Fighting Visual	W		
6	Motor Cable: check clipping & condition	W		
7	Check safety guards	W		
8	Other			
Bulk Bagger / Scale		Code 70-30-01015		Comments
1	Inspect Crane / Pendant / Tethering Cable / Cable / Hooks	W		
2	Check Scale cables	W		
3	Safety Check	W		
4	Calibration	M		
5	Other			
Bulk Bagger Wrapper		Code 70-40-01010		Comments
1	Check Rollers and Chains	W		
2	Turn Table Rollers Inspection	W		
3	Check Oil Leaks & Operation	W		
4	Safety Check	W		
5	Other			
Weigh Hopper / Flyash Auger		Code 70-19-01120		Comments
1	Check Butterfly Valves	W		
2	Rubber Boots: check condition	W		
3	Auger Gearbox: check leaks	W		
4	Fighting Visual	A		
5	Grease Auger Bearings	W		
6	Vibrators: check condition	W		
7	Aerators: check condition	W		
8	Check safety guards	W		
9	Calibration: Proof of calibration report	S		
10	Other			
Silos		Code 70-28-01090		Comments
1	Check Oil Leaks & Operation	W		
2	Rubber Boots (4): check condition	W		
3	Dust Collections System: check condition	W		
4	Vein Feeder (2): check condition	W		
5	Grease Flyash Auger Bearings (2)	W		
6	Check that pop valves are clear and working	W		

has been leaking Dust for years. Top of Building has about 10 yds of pure concrete on it.

Signature – Technician / Operator who performed the job:

Authorized by: Rick Stuart & Adrian Van Aert

Signature - Manager / Supervisor who verified the job:



PM – Condition Inspection

Procedure #: TH-PP-00-04-001

Dryer De-Duster (Baghouse) & Discharge Auger M-106		Code 70-18-01010 & 70-19-01095	PM Status	Work order n°	Comments
1	Discharge auger motor: check heat, noise, vibration & condition		W		<p>Appar This is never Done the the Dust Blows out all the time when Running</p>
2	Gearbox: check for leaks, noise, oil level		W		
3	Auger: Check the in-feed end bearing condition		W		
4	Verify pressure differential - MAGNEHELIC		W		
5	Verify Pulse Actuators		W		
6	Check air Leaks		W		
7	Motor / Pulse Actuator Coils Cable : check clipping & condition		W		
8	Check the sealing and the condition of all covers		W		
9	Check safety guards		W		
10	Inspect bags and replace if damaged		S		
11	Auger: Check the wear of the screw and replace if necessary		S		
12	Other				
Agg Bins De-Duster (Baghouse) M-112		Code 70-18-01015	PM Status	Work order n°	Comments
1	Fan Motor: check vibration, noise and heat		W		
2	Check bearing Condition		W		
3	Drive Belt: check tension and condition		W		
4	Verify pressure differential		W		
5	Fan: check wear and condition		W		
6	Verify Pulse Actuators		W		
7	Check air Leaks		W		
8	Motor / Pulse Actuator Coils Cable: check clipping & condition		W		
9	Check safety guards		W		
10	Inspect Inside Bags / Deflector		S		
11	Other				
Agg Bins De-Duster Rotary Vane M-113		Code 70-36-01005	PM Status	Work order n°	Comments
1	Motor: check vibration, noise and heat		W		
2	Rotary Vane Gearbox: check leaks, noise and		W		

Signature – Technician / Operator who performed the job:

Authorized by: Rick Stuart & Adrian Van Aert

Signature - Manager / Supervisor who verified the job:

It has been demonstrated through this report that Thompson Plant operates with respect to its surrounding environment.

Therefore, specific equipment and processes are used since the facility exists to mitigate any environment issue from the plant operations.

To sum up, the report shows that the plant operates within acceptable environment limits.

Look at pictures of neighbor cars.
I find this A very high limit of
pollution Released into environment.

Do they have any
air test reports.

4.2.3. Hazardous wastes

Any hazardous waste is disposed of at the City of Thompson Landfill site according to their guidelines.

4.2.4. Storage of gasoline and associated products

The storage of gasoline and associated products is executed as follow:

- On-site 250 liter diesel tanks with spill containment precautions
- Oil for maintenance of batching equipment, wheel loaders, and vehicles in shop with spill containment
- Used oils: removed from site by a disposal company

4.2.5. Impact on heritage resources

There is none.

4.2.6. Socioeconomic implications

There are no socioeconomic implications resulting from environmental impact.

4.3. Potential impacts of the plant on Human health and safety

There is no potential impact on human health and safety resulting from any release of pollutants from the plant.

5. Mitigation measures and Residual Environment Effects

5.1. Mitigation of dust emissions

5.1.1. Dust collection systems

The plant is equipped with dust collection systems (in bagging area, aggregates bins area, silos area and drying process) which have bag-houses used to control dust emissions from cement, fly ash and aggregates. These emissions occur when materials are loaded into silos, bins and hoppers.

Dust collectors are inspected and cleaned on a monthly basis, and the fines are put back into the process.

The use of dust collection system mitigates any potential impacts of dust as air pollutant on the environment.

5.1.2. Smooth flow

Dust emitting from the truck area is controlled via fine tuning of the batching sequence to deliver a smooth and controlled flow of raw material into the mixer with a combination of water addition to control dust emissions.

Blow Dust contained as per in the.

5.1.3. Use of water

As said above, the water is used to mitigate dust impacts in the high traffic areas of the plant yard.

water washes Down street with concrete into city sewer systems.

3. Description of Existing Environment in the Plant Area

3.1. Biophysical environment

3.1.1. Terrain features

The facility is located in the industrial light flat zone of the City of Thompson, where there are neither hills nor valleys. Lakes, rivers and wetlands are far from the facility. Lake Thompson is the nearest water body followed by Burntwood River, which are respectively about 1.5 km and 2.0 km from the plant.

The Water Treatment Plant of the City of Thompson owned by Vale is situated at 750 meters from MSI plant.

3.1.2. Climate

The prevailing climate and meteorological conditions of Thompson are marked by a subarctic climate, with long, bitterly cold winters, and short but warm summers. Monthly mean temperatures range from minus 23.9 °C in January to plus 16.2 °C in July, and the annual mean is minus 2.9 °C.

Though a majority of the annual precipitation of 509 millimeters falls from June to September, winter is by no means devoid of precipitation. Snow falls mainly from October to May, with generally small accumulation in June and September, totaling 187 centimeters per year. (Source: http://en.wikipedia.org/wiki/Thompson,_Manitoba).

3.1.3. Aquatic environment

Regarding the aquatic environment, there is no waterbody in the immediate surroundings of the industrial light zone that could be affected by the plant.

3.1.4. Terrestrial environment

The nearby industrial zone is characterized by sparse trees and vegetation. However, in the surroundings of the facility, there is no presence of any rare, threatened or endangered species or any important or sensitive species and/or habitats.

3.2. Socioeconomic environment

3.2.1. Public safety risk

There is no public safety risk related to plant operations.

3.2.2. Protected areas

There are no national and provincial protected parks in immediate area.

3.2.3. Heritage resources

The Heritage Museum is at approximately 2.5 km away from the plant.

*except Concrete
Powder Dust people
Breathe in in surrounding
areas.*

Executive Summary

Multicrete Systems Inc. (MSI) has been operated a concrete products batch plant located on 47 Weir Road, Thompson for over 20 years.

The plant has a daily processing capacity of approximately 50 metric tons of crushed aggregate, and produces between 40 and 60 metric tons of shotcrete and ready mix concrete.

The operation of the plant requires an Environmental Licence as the activities of batching are in Class 1 Development.

The report highlights the process of the MSI Thompson concrete products batch plant and its impact on immediate environment.

In terms of impact to the environment, the main concerns are related to soil pollution, groundwater pollution, surface water pollution, air pollution, noise pollution, human health, and habitat destruction.

Mitigation measures are in place since the plant has been put in operation to reduce the environment degradation and avoid the spread of contaminants into the environment.

The Environment Act Proposal concludes that the plant operates within acceptable environment limits.

Therefore, for its plant in Thompson, MSI applies for the Environment Act Licence to the Manitoba Conservation and Water Stewardship by submitting an Environment Act Proposal.

1. Introduction and Background

MSI Plant is a permanent ready mix concrete plant certified by Manitoba ready Mix Concrete Association.

The plant combines sand, aggregate (rocks and gravel), fly ash, cement, admixtures and/or water to form concrete. The pre-mix concrete produced is either wet or dry depending on the clients' requirements.

For the wet mix concrete, the product will be put into mixer trucks for delivery to various locations within 100 km of the plant location. Therefore, the dry mix concrete is delivered as it is and mixed with water only on client's site. The main customers in the Thompson area are Vale mines and residential contractors.

The facility utilizes the following equipment and accessories in the batching process:

- Drum dryer, using propane for drying aggregate
- Mixer, for blending the dry components of the concrete
- Cement weigh hopper
- Aggregate weigh hopper
- Cement silos
- Aggregate bins
- Conveyors
- Batch plant controls
- Dust collectors
- Air compressor

Beshada, Eshetu (CWS)

From: Kaita, Adara (CWS) on behalf of +WPG1212 - Conservation_Circulars (CWS)
Sent: May-21-14 9:36 AM
To: Beshada, Eshetu (CWS)
Subject: EA Proposal - Multicrete Concrete - Concrete Batch Plant - File: 5692.00

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Eshetu,

Sorry for the late response, the Lands Branch has no concerns with this proposal.

Thank you for the opportunity to review.

Adara Kaita

Crown Land Programs and Policy Manager
Lands Branch | Conservation and Water Stewardship
Box 25, 200 Saulteaux Crescent | Winnipeg, MB R3J 3W3
Cell: (204) 945-6301 | F: (204) 948-2197

Beshada, Eshetu (CWS)

-----Original Message-----

From: Boissonneault, Caroline (CWS)

Sent: May-16-14 12:40 PM

To: Beshada, Eshetu (CWS)

Subject: Emailing: 2 projects - Request for reviewcomment - Russell Paving File 5706.00 due May 9 2014 AND Multicrete Concrete File 5692.00 due May 16 2014

Hello Eshetu,

Wildlife Branch has no comments regarding the Multicrete proposal, 5692.

Thank you.

Caroline Boissonneault

Conservation and Water Stewardship

Wildlife Branch

Tel.: 204-945-6810

Caroline.boissonneault@gov.mb.ca

Your message is ready to be sent with the following file or link attachments:

2 projects - Request for reviewcomment - Russell Paving File 5706.00 due May 9 2014 AND
Multicrete Concrete File 5692.00 due May 16 2014

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

Beshada, Eshetu (CWS)

From: Stibbard, James (CWS)
Sent: May-15-14 9:54 AM
To: Beshada, Eshetu (CWS)
Subject: Re: 5692.00 Multicrete Concrete, Thompson EAP

Follow Up Flag: Follow up
Flag Status: Flagged

Dr. Beshada,

I reviewed the above noted EAP for an existing concrete batch plant operation in Thompson. Office of Drinking Water has no concerns with the EAP respecting drinking water quality or safety.

If you have any questions, please call.

Regards,

James Stibbard P. Eng.

Approvals Engineer
Office of Drinking Water
1007 Century Street
Winnipeg MB R3H 0W4
phone: (204) 945-5949
fax: (204) 945-1365
email: James.Stibbard@gov.mb.ca
website: www.manitoba.ca/drinkingwater

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Infrastructure and Transportation

Highway Planning and Design Branch
Environmental Services Section
1420 - 215 Garry St., Winnipeg, MB R3C 3P3
T (204) 619-4359 F (204) 945-0593

May 8, 2014

Tracey Braun, M. Sc.
Director, Environmental Approvals Branch
Manitoba Conservation and Water Stewardship
123 Main St., Suite 160
Winnipeg, MB R3C 1A5

RE: Multicrete Systems Inc. - Concrete Batch Plant - Thompson, MB
Client File No. 5692.00

Dear Ms. Braun:

MIT has reviewed the proposal under the Environment Act noted above and we do not have any concern.

Thank you very much for providing us the opportunity to review the proposal.

Sincerely,

Ryan Coulter, M. Sc., P. Eng.
Manager of Environmental Services

Beshada, Eshetu (CWS)

From: Fountain, Jeff (CWS)
Sent: May-07-14 11:06 AM
To: Beshada, Eshetu (CWS)
Subject: RE: Multicrete Concrete - EAP out for Review

Eshetu,

Multicrete has had a number of complaints regarding air quality, filed with the department the last few years. The region recommends that Approvals branch look at the possibility of requiring Multicrete to undergo third party dust and emissions testing shortly after having their proposal approved. That will enable this office to address client concerns more effectively. Some clause in the EAL that requires third party testing on a schedule or at the request of an environment officer, would be helpful.

No other comments

Thanks

Jeff Fountain
Regional Supervisor
Northeast Region
Environmental Compliance and Enforcement Branch
28-59 Elizabeth Dr.
Thompson MB R8N 1X4
P: (204) 677-6703
F: (204) 677-6888
E: Jeff.Fountain@gov.mb.ca

To report an environmental emergency please call the Manitoba Environmental Emergency Hotline tollfree at 1-855-944-4888

DATE: 07 May 2014

TO: Eshetu Beshada
Environmental Approvals
Conservation and Water
Stewardship
160-123 Main Street, Winnipeg

FROM: Muntaseer Ibn Azkar
Air Quality–Environmental Programs
& Strategies
Conservation and Water Stewardship
1007 Century Street, Winnipeg

SUBJECT: Multicrete Systems Inc. – Concrete Batch Plant (File 5692.00)

Air Quality Section has reviewed the above proposal and provides the following comments:

- It is expected that there will be no significant impact on air quality provided that the bag house and other dust control system will be used and maintained regularly to control particulate matter emissions from the concrete batch plant.
- Air Quality Section suggests that the EA Clause regarding noise nuisance be included.

Beshada, Eshetu (CWS)

From: Kelly, Jason (CWS)

Sent: April-28-14 9:48 AM

To: Beshada, Eshetu (CWS)

Cc: Harms, Jenny (CWS)

Subject: RE: 2 projects - Request for review/comment - Russell Paving File: 5706.00 due May 9, 2014 AND Multicrete Concrete File: 5692.00 due May 16, 2014

Parks and Protected Spaces Branch has reviewed the proposals filed pursuant to the *Environment Act* for 2 projects - The Branch has no comments or concerns regarding Multicrete Concrete File: 5692.00 as it does not affect any provincial parks, park reserves, ecological reserves, areas of special interest, or proposed protected areas.

Jason Kelly, M.N.R.M.

Ecological Reserves and Protected Areas Specialist

Parks and Protected Spaces Branch

Conservation and Water Stewardship

Box 53, 200 Saulteaux Cres

Winnipeg, MB R3J 3W3

Phone: 204-945-4148

Cell:

Fax: 204-945-0012

Email: Jason.Kelly@gov.mb.ca

Beshada, Eshetu (CWS)

From: Roberts, Dan (CWS)
Sent: April-28-14 11:15 AM
To: Beshada, Eshetu (CWS)
Subject: 2 projects - Request for review/comment - Russell Paving File: 5706.00 due May 9, 2014
AND Multicrete Concrete File: 5692.00 due May 16, 2014

Follow Up Flag: Follow up
Flag Status: Flagged

On behalf of the *Water Control Works and Drainage Licensing Section*, there are no concerns with either proposal.

Dan Roberts

Water Resource Officer

Water Control Works and Drainage Licensing Section

Conservation and Water Stewardship

Box 640, 201 Fourth Ave. S., Swan River, MB R0L 1Z0

Cell: (204) 281-2122, Fax: 734-3733

Memorandum

Date: April 24, 2014

To: Eshetu Beshada PhD, P. Eng
Environmental Approvals Branch
123 Main Street, Suite 160
Winnipeg MB R3C 1A5

From: Kevin Jacobs M.Sc.
Water Quality Management Section
Manitoba Conservation and Water
Stewardship
123 Main Street, Suite 160
Winnipeg MB R3C 1A5

Email: Kevin.jacobs@gov.mb.ca

Phone: 945 4304

Fax: 948-2357

Subject: Multicrete Systems Inc. - Concrete Batch Plant - Thompson, Manitoba

The above noted proposal has been reviewed and the following comments are provided by the Water Quality Management Section with respect to surface water quality.

- Limited information is provided with the proposal regarding the management of site drainage and washout water from the facility.
 - If washout water has the potential to enter the Burntwood River inclusion of standard license conditions found in licenses recently issued for concrete batch plants such as files: 5637.00, 5644.00, 5560.00 and 5679.00 regarding waste water is recommended.
- Any contaminated liquid generated at the facility or site where mobile equipment is used (i.e. cleaning of truck boxes, fuel spillage) must be contained and all efforts to ensure the protection of groundwater and surface water resources should be implemented.
- It is recommended that the Licencee shall meet or exceed the environmental management guidelines put forward by the Manitoba Heavy Construction Association concerning Ready Mix Concrete Plants and the Canadian Ready Mixed concrete Association.
- A license should require the proponent to maintain an Emergency Response Plan.

File: 2.E.10.17 EAP Concrete Batch Plants

Beshada, Eshetu (CWS)

From: Matthews, Rob (CWS)

Sent: April-17-14 9:37 AM

To: Beshada, Eshetu (CWS)

Subject: RE: 2 projects - Request for review/comment - Russell Paving File: 5706.00 due May 9, 2014 AND Multicrete Concrete File: 5692.00 due May 16, 2014

No concerns.

Rob Matthews, WULS, CWS