Gazzola Paving

Environmental Management Plan

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1. Gazzola Paving Limited Environmental Policy

GAZZOLA PAVING LIMITED
Environmental Policy

Gazzola Paving Limited is committed to environmental leadership in all of our business activities. We have established practices and procedures to provide a safe and healthful workplace to protect the environment, conserve energy and natural resources. These practices and procedures will allow us to achieve a healthy and safe environment.

Gazzola Paving Limited is committed to:

- Providing a safe and healthful workplace; ensure personnel are trained and equipped to prevent environmental incidents, and in the event of an incident, respond within their capabilities.
- Disposing of waste safely and responsibly in accordance with applicable laws and regulations.
- Being environmentally responsible in the community where we operate; correcting incidents or conditions that endanger health, safety, or the environment.
- Improving operations and adopting technologies to minimize waste and pollution, and to eliminate health and safety risks.
- Ensuring responsible energy use throughout our business including conserving energy, improving energy efficiency, and choosing renewable over non-renewable energy when feasible.
- Meeting or exceeding all applicable Federal, Provincial and Municipal laws, and work to continually improve our environmental management system.
- Promptly reporting all non-compliance issues and/or incidents in accordance with all applicable Federal, Provincial and Municipal reporting requirements; evaluating causes of non-compliance and implement corrective actions.
- Ensuring periodic review of our compliance with all applicable laws and regulations.
- Maintaining training procedures to ensure all employees are knowledgeable of and are able to comply with all applicable environmental laws and regulations.
- Promptly correcting any practice or condition that is not in keeping with this policy.

Virgil Gazzola, Vice-President

March 17, 2022
Date

2. Environmental Management Plan Overview

Gazzola is committed to minimizing the adverse effects on these resources from its operations. This robust plan factors in plans already underway and those we will be launching and working on in the years to come.

The Canadian Net-Zero Emissions Accountability Act, which became law on June 29, 2021, enshrines in legislation Canada's commitment to achieve net-zero emissions by 2050. The Act ensures transparency and accountability as the government works to deliver on its targets. Gazzola Leadership is committed to leading by example, and is exploring and accelerating our own carbon reducing initiatives further either through offset or new asphalt production processes to become a Scope 1 and 2 carbon neutral asphalt plant and paver by 2030.

Our current initiatives include:

Vehicles and Equipment Emissions

• GPS monitoring the efficiency in the movement of goods and idling times of all equipment.
• Gazzola has invested heavily in installing GPS in all equipment and vehicles. Local dispatchers review idling daily, while the Executive Management reviews idling times weekly.
• For heavy equipment, idling times have been programmed to ensure units shutdown after five minutes of idling or provide an audible alarm warning to the operator to shut the unit down.
• With a push to more carbon neutral future, Gazzola is currently signed on to participate and or actively sharing performance data for the following initiatives:

- Electrification pilot with Peterbilt for our Haulage and Winter Maintenance snow plow operations to determine the feasibility of electric equipment (Commencing in 2022)
- Fully switched over our diesel usage to Esso Diesel Efficient™ with McDougall Energy, with the help of our GPS reporting and mechanic staff assisting Esso in validating their claimed 2-3% fuel economy improvements that go along with the environmental impacts of 10% less NOx, 22% less particulate matter emissions and 2.8% less carbon dioxide emissions.

Asphalt Plant Operations

• Gazzola's asphalt plant meets and exceeds the required government noise and emission control measures; in addition, and where possible, Gazzola utilizes a paved yard to reduce the amount of water-saturated in the piles of aggregates, thereby reducing energy consumption.
• Dust management and traffic plans at our asphalt plant are built and monitored collaboratively with our neighbours and our customers to ensure our operation is tidy and respectful of all.
• Individual job specific environmental plans are developed and strictly adhered to on the most complex projects, significantly reducing the environmental impact.
• Gazzola monitors the moisture content of raw materials used in asphalt production to reduce energy consumption and emissions.
• Gazzola has added scrubbers to the asphalt plant to reduce our carbon footprint.

Recycle and Reuse of Materials

• Gazzola is a significant producer of recycled concrete in the GTA area, which it uses as road base aggregates. To reduce the carbon footprint, Gazzola has adopted a policy to minimize the amount of virgin aggregates used wherever possible.
• Gazzola's Asphalt Plant is set up to incorporate a percentage of Recycled Asphalt into asphalt plant production, again reducing the use of virgin aggregates and liquid Asphalt Cement when mixes and specifications allow for its' usage.

3. Air Quality & Greenhouse Gas Emissions Management Plan

Currently in development, Gazzola's Air Quality and Greenhouse Gas Management Plan will describe in detail the mitigation measures undertaken to reduce potential effects on air quality and greenhouse gas emissions from project activities. The plan will outline requirements for reporting and monitoring, and the personnel needed to implement these actions. Additional mitigation measures will be put in place in the designated project area so that air quality meets regulatory requirements.

As part of our work to become a Scope 1 and 2 carbon neutral asphalt operation by 2030, KPI tracking and reporting is underway to determine the best way to achieve this goal.

GAZZOLA PAVING LIMITED - KNOWN CARBON IMPACTS BY SOURCE					
	ASPHALT PLANT 345 Attwell Drive	2021 Season	UNITS	2022 Season	UNITS
ASPHALT PRODUCTION	Toronto Hydro	1,187,697	kWh	1,121,487	kWh
	Twin Eagle/Enbridge	3,100,000	M3	3,021,800	M3
	Equipment (Dyed Diesel)	13,157	Litres of Fuel	19,748	Litres of Fuel
RAW MATERIAL DELIVERY	Asphalt Cement to Plant	7,584	Litres of Fuel	7,184	Litres of Fuel
	Stone to Plant via 3rd Party Dump Truck	302,000	Tonnes Delivered	294,000	Tonnes Delivered
ASPHALT INSTALLATION	Trucking to Job Sites by 3rd Party Dump Truck	23,517	Hours	22,741	Hours
	Paving Equipment (Dyed Diesel)	306,341	Litres of Fuel	321,453	Litres of Fuel
	OFFICE 529 Carlingview Drive	2021 Season	UNITS	2022 Season	UNITS
HEAD QUARTERS/SHOP	Toronto Hydro	180,412	kWh	169,841	kWh
	Enbridge	30,175	m3	29,251	m3
	Floats (Diesel)	6,242	Litres of Fuel	6,084	Litres of Fuel
	Equipment (Dyed Diesel)	0	Litres of Fuel	0	Litres of Fuel
	Vehicles (Gas)	181,651	Litres of Fuel	186,672	Litres of Fuel
WINTER MAINTENANCE	Snow Plows (Diesel)	78,462	Litres of Fuel	63,154	Litres of Fuel
	Equipment (Dyed Diesel)	34,848	Litres of Fuel	29,475	Litres of Fuel

Additional mitigation measures are primarily focused on:

- Preventative maintenance of the asphalt plant option incorporating the latest burner technology into to reduce air emissions.
- Reducing Vehicle & Equipment Emissions
- Fence line monitoring of air quality during operations.
- Developing a gas leak detection program along with any other monitoring requirements defined by the Ontario Ministry of the Environment and as a permit condition will be included in the Air Quality and Greenhouse Gas Management Plan

4. Noise Management

Gazzola with the help of RMG Consulting Group Inc. has conducted a full Plant Noise Assessment to ensure we are providing the best direction to employees around proper ear protection requirements and to make sure we remain in compliance with the noise emissions limits set out in the Ministry Publication NPC-300 for Industrial Properties.

Sound was sampled from 12 different areas around the plant. This gives an in depth and accurate look into noise exposure averages in the asphalt plant. The findings are based on noise samples taken during the day on July 26th, 2022. The samples were taken at various times during the working hours from 12 different vital points around the plant where work is being performed. OHSA & Regs set legal limits on noise exposure in the workplace. These limits are based on a worker's time weighted average over an 8-hour day. With noise, maximum allowed sound level is 85 dBA for all workers for an 8-hour day.

The following procedure was followed for all the noise measurements:

● Prior to the initial data collection and at the end of the measurement day, the dBA reading system was calibrated with the Reed SC-05.

● With the use of the calibrator, the acoustic sensitivity of the sound level meter was checked immediately before and after each series of sound measurements, and the results were discarded if the two levels did not coincide to within 1.0 dB.

● The ambient noise levels, with the SLM impulse integration option on, were measured by sampling the sound level at each point for a minimum of 15 minutes per point and sub-period.

● All extraneous factors that may influence the measurement were noted and excluded from the measurements

The full methodology and balance of the Gazzola Paving 345 Attwell Drive site report can be found within the **Occupational Noise Measurement Testing** completed on July 26, 2022.

What follows are the results of the noise assessment completed at 12 key areas within the site where asphalt is produced and aggregate material crushed.

Area 1 – Muster Point (Entrance)

Results

Decibel readings taken from 900 sound samples equaled out to an average of 78.67 dB

	Exposure Time	TWA
Totals	**08:00**	**78.67**

Area 2 – NorthwestCorner

Results

Decibel readings taken from 900 sound samples equaled out to an average of 79.07 dB

	Exposure Time	TWA
Totals	**08:00**	**79.07**

Area 3 – Ticket Office (Scale house)

Results

Decibel readings taken from 900 sound samples equaled out to an average of 81.51 dB

	Exposure Time	TWA
Totals	**08:00**	**81.51**

Area 4 – Conveyors Area

Results

Decibel readings taken from 900 sound samples equaled out to an average of 87.71 dB

	Exposure Time	TWA
Totals	**08:00**	**87.71**

Area 5 – North Aggregate Laneway

Results

Decibel readings taken from 900 sound samples equaled out to an average of 74.88 dB

	Exposure Time	TWA
Totals	**08:00**	**74.88**

Area 6 – Tri-Conveyor Passage

Results

Decibel readings taken from 900 sound samples equaled out to an average of 83.65 dB

	Exposure Time	TWA
Totals	**08:00**	**83.65**

Area 7 – North Loader Ramp

Results

Decibel readings taken from 900 sound samples equaled out to an average of 84.21 dB

	Exposure Time	TWA
Totals	**08:00**	**84.21**

Area 8 – Northeast Corner

Results

Decibel readings taken from 900 sound samples equaled out to an average of 72.27 dB

	Exposure Time	TWA
Totals	**08:00**	**72.27**

Area 9 – Hilltop

Results

Decibel readings taken from 900 sound samples equaled out to an average of 68.74 dB

	Exposure Time	TWA
Totals	**08:00**	**68.74**

Area 10 – Asphalt Lab

Results

Decibel readings taken from 900 sound samples equaled out to an average of 65.58 dB

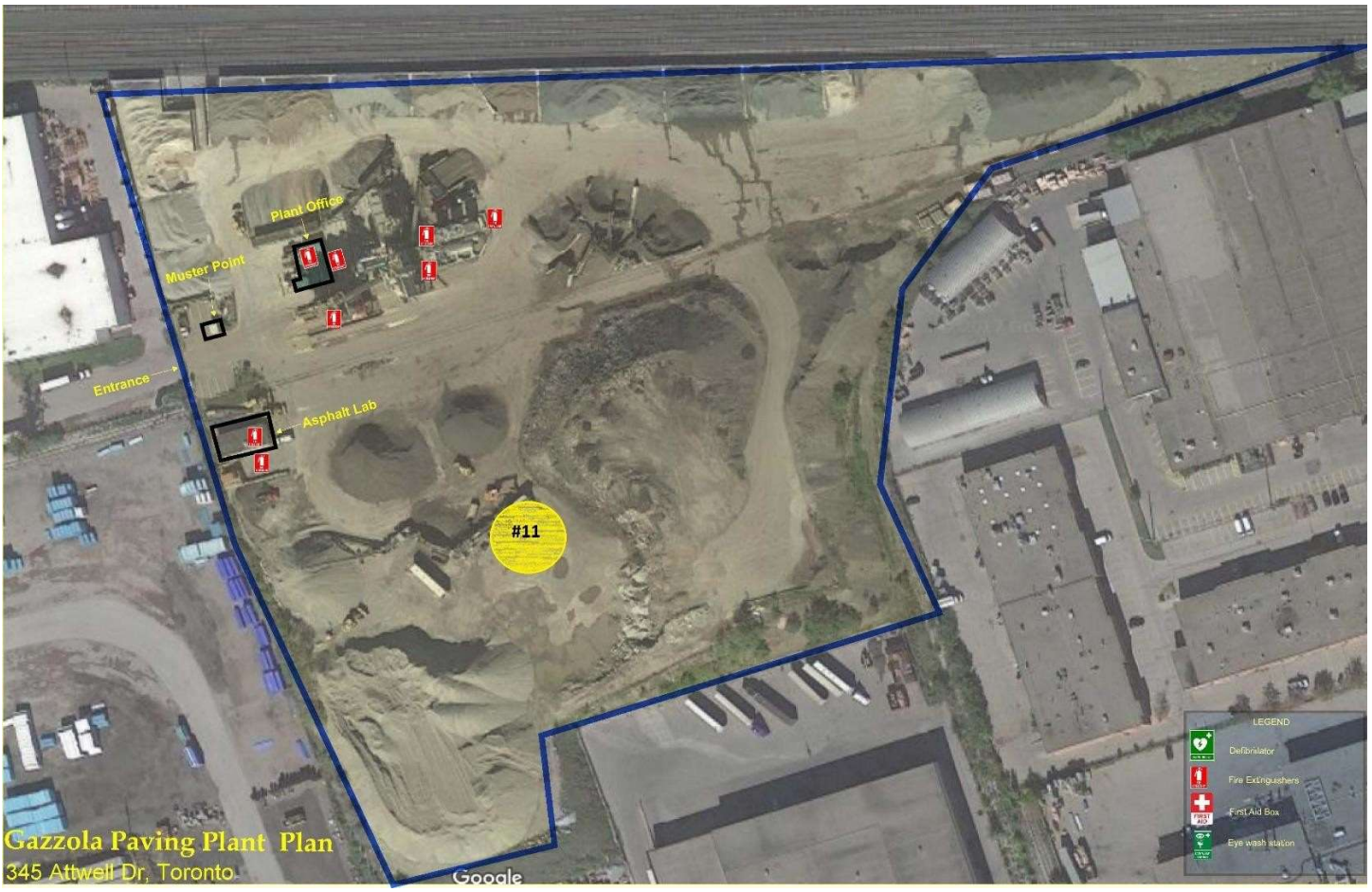
	Exposure Time	TWA
Totals	**08:00**	**65.58**

Area 11 – Mobile Crusher

Results

Decibel readings taken from 900 sound samples equaled out to an average of 94.36 dB

	Exposure Time	TWA
Totals	**08:00**	**94.36**



Area 12 – Plant Office

Results

Decibel readings taken from 900 sound samples equaled out to an average of 64.10 dB

	Exposure Time	TWA
Totals	**08:00**	**64.10**

5. Efficient Plant Operation Plan

Plant Operations follows strict Annual and Daily Checklists prior to operation to ensure Gazzola is following the Ontario Hot Mix Producers Environmental Best Practices Guide based on latest guidance from the Ontario Ministry of the Environment.

Our Plant Operation General Manager maintains a log to ensure any signs of the plant running inefficiently are logged and repaired before production begins:

Monthly Checklist includes the following completed and logged prior to production:

Checklist for Plant Yard

Plant yard paved areas maintained clean and dust free.	❑ Yes	❑ No
Unpaved yard areas treated regularly with water or other environmentally friendly suppressant.	❑ Yes	❑ No
Efficiently designed traffic patterns enforced.	❑ Yes	❑ No
Vehicle speeds in yard enforced to minimize dust generation.	❑ Yes	❑ No

Comments: _____

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Checklist for Aggregate Delivery/Stockpiling

Ensure vehicles delivering aggregates are tarped.	❑ Yes	❑ No
Fine aggregate piles protected from wind by coarse piles.	❑ Yes	❑ No
Plant stockpiles located as close as possible to cold feed bins.	❑ Yes	❑ No
Plant stockpiles covered or treated with water or suitable wetting agent when material is especially dusty or when required by wind conditions.	❑ Yes	❑ No

Comments: _____

_____

Checklist for Material Transfer

Hydrated lime storage silos ventilation filter and vent valve working.	❑ Yes	❑ No
Inspect elevator housing and plant tower for cracks and holes. Repair as required.	❑ Yes	❑ No
Inspect seal at connections between elevator and screens. Repair or correct as needed.	❑ Yes	❑ No
Inspect rubbing-type seals at the connection to the dryer/collection system. Repair or correct as needed.	❑ Yes	❑ No
Inspect discharge valves, ducts and seals around dryer intake. Repair or replace, as required.	❑ Yes	❑ No
(Batch Plants) Purging or draining for change in mix has dust creation minimized.	❑ Yes	❑ No

Comments: _____

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Checklist for Cyclone / Duct Work

Are all joints sealed and airtight in the duct work?	❑ Yes	❑ No
Are any holes present in duct work or cyclone?	❑ Yes	❑ No
Is there any damage or wear to internal cyclone components? (i.e. outlet tube or liners?)	❑ Yes	❑ No
Is any of the duct work thin or worn?	❑ Yes	❑ No
Are cyclone and all duct work free from dust build-up or caking?	❑ Yes	❑ No
Are all rotary air locks and/or tipping valve adjusted and operating properly?	❑ Yes	❑ No

If you answer No to any item, please provide details below

_____

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Checklist for Exhaust Fan

Are fan belts adjusted to the proper tension?	❑ Yes	❑ No
Are sheaves properly aligned and in good repair?	❑ Yes	❑ No
Is there any dust build-up on the fan impeller or internal fan housing?	❑ Yes	❑ No
Is fan balanced and running smoothly?	❑ Yes	❑ No
Are there any cracks / holes in the fan impeller (very dangerous - fix immediately).	❑ Yes	❑ No
Are there any signs of abrasive wear on the impeller?	❑ Yes	❑ No

If you answer No to any item, please provide details.

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Checklist for Damper

Is damper modulating motor functioning properly?	❑ Yes	❑ No
Are the damper linkages intact and lubricated?	❑ Yes	❑ No
Are the pressure sensors that actuate the damper functioning properly?	❑ Yes	❑ No
Are the blades of damper showing any signs of abrasive wear?	❑ Yes	❑ No

If you answer No to any item, please provide details.

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Checklist for Air Seals: Dryer, Duct Work, and Fugitive Emission Systems

Are Front and rear drums seals in working order?	❑ Yes	❑ No
Check and maintain flanges at interconnecting equipment.	❑ Yes	❑ No
Are all bag house seals in good working order?	❑ Yes	❑ No
Are seals at access points functioning properly?	❑ Yes	❑ No
Are joint seals on the fugitive emission system operating as specified?	❑ Yes	❑ No
Are seals at recycling collar and gate functioning as specified?	❑ Yes	❑ No
Are there signs of wear on the exhaust fan?	❑ Yes	❑ No
Are fan bearings in good working order?	❑ Yes	❑ No
Are drive belts in good working order?	❑ Yes	❑ No

Comments: _____

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Checklist for Burner Operation

Check fuel valves for leaks.	❑ Yes	❑ No
Inspect and ensure linkages are in proper adjustment.	❑ Yes	❑ No
Lubricate moving parts.	❑ Yes	❑ No
Check nozzle for foreign materials to ensure proper flow of fuel.	❑ Yes	❑ No
Are filters and strainers in clean working order as per manufacturer's recommendations?	❑ Yes	❑ No
Are thermocouples couplers functioning properly?	❑ Yes	❑ No

Comments: _____

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Daily Checklist includes the following completed and logged prior to production:

Checklist for Baghouse

Is baghouse preheated before start-up?	❑ Yes	❑ No
Is baghouse operated above dew point 121° C (250° F)?	❑ Yes	❑ No
Is the baghouse high temperature protection device operating properly?	❑ Yes	❑ No
Is the high temperature set point set 50° F below the high operating temperature of the filter fabric?	❑ Yes	❑ No
Are all plant pressure sensing devices operating properly?	❑ Yes	❑ No
Are all thermocouples operating properly?	❑ Yes	❑ No
Are there any leaks in the shell of the baghouse? Or around any door seals?	❑ Yes	❑ No
Is the clean air cycle time set to clean the bags only as, and when, needed?	❑ Yes	❑ No
Inspect the baghouse bag: a) Are all bag seals intact? b) Is any dust present in this area?	❑ Yes ❑ Yes	❑ No ❑ No
Inspect bag with black light inspection system. Are there any indications of bag failure?	❑ Yes	❑ No
Are air jets properly aligned in the center of the bag aiming straight down into the bag?	❑ Yes	❑ No

If you answer No to any item, please provide details below.

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Checklist for Fuel Delivery and Storage

Has fuel delivery time and weather information been noted?	❑ Yes	❑ No
Are odour mitigation filters installed and in clean working order?	❑ Yes	❑ No
Has the supplier provided the requested fuel type?	❑ Yes	❑ No
Are all fuel lines within the system operating properly?	❑ Yes	❑ No
Are access points to fuel tanks closed?	❑ Yes	❑ No
Has the fuel supplier provided clean tanker verification?	❑ Yes	❑ No

Comments: _____

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Checklist for Noise Issues

Check large horsepower electric motors for transmission of vibrations. Are vibration isolation motor mounts working correctly?	❑ Yes	❑ No
If equipped, is turbo blower intake silencer working correctly?	❑ Yes	❑ No
Is exhaust fan balanced and operating without vibrations?	❑ Yes	❑ No
Are chains on slat conveyors, bucket elevators and drum/dryer drives adjusted to the correct tension, without excess slack?	❑ Yes	❑ No
Are all bearings, gear boxes and drives lubricated correctly to prevent excess noise?	❑ Yes	❑ No
Are screen decks properly isolated and sealed?	❑ Yes	❑ No
Are screen deck mounting springs working correctly?	❑ Yes	❑ No

Comments: _____

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Checklist for Asphalt Cement Discharge and Storage; and Hot Mix Discharge

Are AC delivery temperatures within the proper discharge temperature range?	❑ Yes	❑ No
Are odour mitigation controls functioning properly?	❑ Yes	❑ No
Are AC storage temperatures within the prescribed temperature range?	❑ Yes	❑ No
Are AC storage tank lids closed?	❑ Yes	❑ No
Are all AC transfer lines intact and functioning properly?	❑ Yes	❑ No
Has weather information and time been recorded during unloading of AC?	❑ Yes	❑ No
Has anti stripping additive been well blended?	❑ Yes	❑ No
Is the fugitive emission collection system on the HMA functioning as designed?	❑ Yes	❑ No
Are transport vehicles tarping loads immediately following load out?	❑ Yes	❑ No
Are proper temperatures being maintained at HMA discharge?	❑ Yes	❑ No

Comments: _____

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Checklist for Site Management of Waste

Are environmentally-friendly (non-solvent) truck box release agents and asphalt cleaners used exclusively? ❑ Yes ❑ No

If no, action should be taken to eliminate release agents such as diesel fuel.

Are asphalt cement and fuel storage tanks located according to Fuel Safety Branch regulations (Ministry of Labour) with appropriate containment systems? ❑ Yes ❑ No

If no, action should be taken to ensure compliance with Provincial regulations and site management practices.

Are procedures and materials in place to clean up asphalt cement or fuel spills immediately? ❑ Yes ❑ No
Use sand to absorb spills prior to removal.

If no, materials such as sand or other environmental acceptable absorbent products should be made available as part of the site management plan and spill response procedures.

Are there dedicated vehicle maintenance areas on site with containment systems to address the collection, storage and disposal of waste oil and lubricants? ❑ Yes ❑ No

If no, site management activities should be amended to eliminate the risk of surface oil and grease contamination. Waste oil should be collected and stored in a proper container and disposed of through a licensed disposal firm.

Does the site management plan include maintenance logs for company vehicles and equipment and periodic in-house inspections to identify problem areas with respect to lubricant leakage? ❑ Yes ❑ No

If no, site management documentation requirements should be amended to include vehicle/equipment maintenance data.

Are laboratory solvents and chemicals recycled? ❑ Yes ❑ No

If no and recycling is not undertaken, the method of off-site disposal for used materials should be outlined in the site management plan and should meet Ministry of Environment regulations.

6. Dust Control Management Plan

Along with Gazzola's Silica Hazard Program designed to reduce dust exposure from construction work to help keep our personnel safe on the job, our Dust Control Management plan attempts to keep airborne dust to a minimum and when it is found quickly remediate the issue.

As it can be expected, dust control is a daily activity at an asphalt plant. Material, temperature, wind and traffic all play a part in the amount of dust circulating at the asphalt plant.

Daily the Asphalt Plant General Manager is to document where dust is present and give Pass or Fail grades to these operational areas. Once identified work begins to identify appropriate actions that can be taken to stop:

Gazzola Paving Limited
Best Management Practices Plan for the Control of Fugitive Dust Emissions

DAILY DUST INSPECTION CHECKLIST - HMA PLANT AND AGGREGATE DEPOT

✔ PASS *No significant fugitive dust on-site and no visible dust moving off-site.*
X FAIL *Lots of dust on-site and fugitive dust migrating off-site. Corrective action required. Record in "Corrective Actions".*

DATE	ON-SITE TRAFFIC	ON-SITE PAVED ROADS/ AREAs	ON-SITE UNPAVED ROADS/ AREAS	AGGREGATE STOCKPILES	LOADING UNLOADING TECHNIQUES	MATERIAL SPILLS	MATERIAL CONVEYANCE SYSTEMS	COMMENTS/ACTIONS

1 - DRIVERS CAUSING FUGITIVE DUST EMISSIONS AS A RESULT OF NOT OBEYING SPEED LIMITS AND TRAFFIC ROUTES WILL BE CAUTIONED AND DIRECTED TO OBSERVE THE SINAGE AT THE SITE ENTRANCE. IF THE ISSUE IS NOT RESOLVED, THE GENERAL MANAGER OR DESIGNATE MUST ESCALATE THE ISSUE TO GAZZOLA MANAGEMENT.

2 - HEAVY DIRT BUILD-UP AND DAMAGE TO PAVED AREAS SHOULD BE NOTED IN THE COMMENTS SECTION AND ADDRESSED PROMPTLY.

3 - LOOSE AND/OR VERY DRY MATERIAL ON THE ELEVATED ROAD SHOULD BE NOTED IN THE COMMENTS SECTION AND ADDRESSED PROMPTLY.

4 - CHECK TO MAKE SURE THAT THE OPERATIONS ARE TRYING TO LIMIT THE DISTURBVED AREA OF THE STOCKPILES; PAY PARTICULAR ATTENTION TO THE POTENTIAL AREAS IN VERY DRY, WINDY CONDITION

5 - CHECK TO MAKE SURE OPERATORS ARE TRYING TO MINIMIZE THE HEIGHT THROUGH WHICH MATERIALS ARE BEING DROPPED.

6 - AGGREGATE SPILLS SHOULD BE CLEANED UP AS QUICKLY AS POSSIBLE ESPECIALLY IF THEY COULD LEAD TO A DUST EVENT, FOR EXAMPLE IF THEY ARE LEFT IN THE MIDDLE OF THE ROAD.

7 - MAKE SURE THAT MATERIAL IS NOT SPILLING OFF OF AGGREGATE CONVEYORS; PAY PARTICULAR ATTENTION TO THE POTENTIAL OF DUST BLOWING OFF OF THE CONVEYORS IN VERY DRY, WINDY.

When the Daily Inspection identifies a dust issue, this the actions taken to fix the issue are logged in this report.

Preventative measures/procedures include but are not limited to the following:

- Sweeping of paved roads and area
- Flushing/watering of pave roads and areas
- Application of alternative dust controls eg. Calcium chloride or magnesium chloride (preferred)

Gazzola Paving Limited
Best Management Practices Plan for the Control of Fugitive Dust Emissions

PERIOD ACTIVITIES - HMA PLANT AND AGGREGATE DEPOT

NAME	DATE	START TIME	END TIME	DESCRIPTION OF PREVENTATIVE MEASURE/PROCEDURE	COMMENTS

PERIODIC ACTIVITES INCLUDE:
Sweeping paved roads and areas
Flushing/watering paved roads and areas
Application of alternative dust controls eg. Calcium chloride or magnesium chloride

Management reviews the weekly Dust Control Logs and the periodic activities undertaken to ensure actions are being taken fast enough to eliminate the issue and ensure it happens less if at all in the future.

Records of these actions are kept offsite in storage for 7 years.

Along with period fence line monitoring completed by Gazzola, having a way for our neighbours to raise an issue immediately to our Plant Operations General Manager is crucial. Complaints from neighbours are recorded and proactively submitted to the Ontario Ministry of the Environment.

Complaint Response Form

Source of Complaint _____

Date _____ Time _____

Nature of Complaint

❒ Odour ❒ Noise ❒ Particulate Emission

❒ Gaseous Emission ❒ Groundwater Preservation ❒ Waste

Give Specific Details of Complaint _____

_____

Plant/Production Information

Plant Type: ❒ Batch ❒ Drum ❒ Other

Mix Type: ❒ HL Mix ❒ RAP Mix ❒ Other

Asphalt Cement type/grade _____

Additives _____

If RAP mix, note percentage of recycled material _____

Environmental Data

Air Temperature _____

Wind Speed _____ Wind Direction _____

❒ Sunshine ❒ Overcast ❒ Rain

Identify suspected source of problem _____

_____

Identify measures taken to resolve complaint _____

_____

Identify measures taken to follow up with complaint _____

_____

Other Comments _____

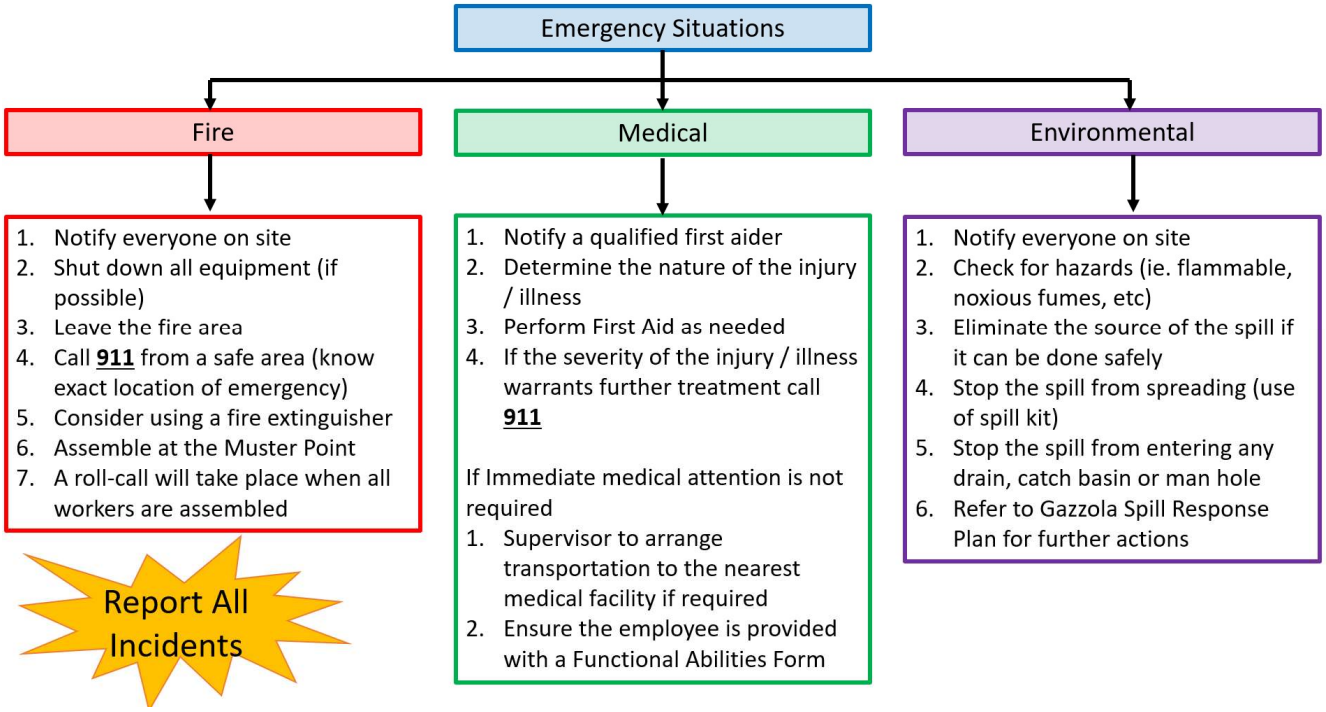
_____

Form Completed by _____ **Date** _____

Signature _____

Date Submitted to MOE _____

7. Emergency Response Plan



Site Response

#1 on every list is to notify others. Gazzola Paving has the **3-LONG-HONKS** warning system in place.

- 3-LONG-HONKS means
  1. Press the horn for 5 seconds, wait for 3 seconds,
  2. press the horn for 5 seconds, wait for 3 seconds,
  3. press the horn for 5 seconds
- The 3-LONG-HONKS emergency warning system is not to be confused with the 2-SHORT-HONKS procedure to be done before reversing equipment
- Please do not use 3-LONG-HONKS for anything other than notifying others of an emergency

If you are not on a piece of equipment, you can notify others by using

- Your voice (ex. Yelling for help)
- Your actions (ex. Hand signals indicating for someone or a piece of equipment to stop)
- Your cell phone (ex. Calling 911, Superintendent, Foreman, co-workers, H&S Coordinator, etc.)

Emergencies are something that you need to be prepared for and know how to react to quickly, effectively and safely. Please ask any questions you may have to ensure you are well prepared if an emergency were to occur.

GUIDE TO EMERGENCIES WITHIN FACILITIES

Emergency Personnel

Emergency Response Coordinator (ERC): GREG HARBIN

Alternate: *NICK HOWARD (NIGHT OPERATIONS ONLY)*

Team Contacts

Name	Cell #	Company Name
Greg Harbin	416-936-1614	Gazzola
Nick Howard	647-785-5642	Gazzola

Grouping Areas

Area 1: NORTH SIDE OF DRIVEWAY ENTRANCE AT GREY SHED

Types of Emergencies

Emergency Evacuation

Fire and Explosion

Medical Emergency

Chemical Spills

Emergency Violence Response

Inclement Weather

Overhead Powerline Contact

EMERGENCY CONTACT LIST

In case of emergency: please contact the first person on the list below. If you are unable to reach that person, leave a message and contact the next person on the list below. Do so until you have spoken to someone and informed them of the emergency situation.

Employee Name	Position/Title	Phone Number
Virgil Gazzola	General Manager	416-936-1608
Martin Flute	H&S Coordinator	647-580-6590
Sean Stewart	Project Manager	647-622-2153
Vern Gazzola	Vice-President	416-948-1849
Kirk Zavitz	CFO	416-817-0696

EVACUATION PLAN

In the event of an emergency situation, we require all employees to respond quickly and calmly and evacuate the facility / buildings to prevent any injuries.

If You Hear the Emergency Alarm:

- Remain calm.
- Turn off the power to your workspace or equipment if safe to do so.
- Leave the area/ building by the nearest, safe exit.
- Close all doors behind as you leave.
- Proceed directly to designated Staging Area (Meeting Zones)
- Advise your Health and Safety Coordinator member at the meeting zone of any observations or status of other employees.
- Remain calm at the meeting zone and await further instructions from your supervisor or ERC/ERT member.

Worker Responsibilities:

- If for any reason the facility / buildings must be evacuated, the employees will be advised by the alarm process or verbally by their supervisor to evacuate.
- All employees must promptly leave the facility by the nearest safe exit as soon as reasonably practicable.
- All employees will meet at the designated staging area or meeting zone for a head count
- Once at the designated staging area or meeting zone, all workers must remain there and not re-enter the facility / buildings for any reason.
- Workers will only be allowed to re-enter the facility / building when it has been deemed safe by the emergency responders.
- Follow directions of the ERC/ERT

Supervisors Responsibilities:

- Ensure all workers under your supervision are aware of the requirement to evacuate the facility / buildings.
- Ensure that all subcontractors or truck drivers are aware of the requirement to evacuate the facility / buildings and proceed to staging area or meeting zone.
- Exit the facility / buildings through the nearest safe exit point and proceed directly to the designated staging area or meeting zone.
- Assist in a head count and let the ERC/ERT members know that your workers are accounted for or advise of any missing personnel.
- *Under no circumstances should anyone go looking for missing workers in the building.*
- Provide first aid to injured workers, if trained.
- Follow the directions of the ERC/ERT members or emergency responders.

Emergency Response Coordinator / Team Members (ERC / EMT)

- Call emergency responding personnel (911). The phone numbers are posted on Health and Safety Board or in your Emergency Evacuation Package.
- Exit the building through the nearest safe exit point and go directly to the designated staging area or meeting zone you are responsible for.
- Ensure that an employee is assigned to notification all employees in the asphalt lab to make sure employees there have heard the alarm and are proceeding to the staging zone or meeting point.
- Ensure that all entry to the facility is halted (i.e. entrance to asphalt plant is blocked to prevent access to facility).
- Take a headcount and record all names under the Headcount recording form. Communicate with all ERT members and other employees to gather information and confirm head counts.
- ERC will greet the emergency responding personnel when they arrive.
- Provide the emergency responding personnel with specific event information including if any workers are missing or advise the emergency personnel that all are accounted for.
- Take direction from the emergency responding personnel.
- Allow employees to re-enter the building when given the all clear from emergency responding personnel.
- Communicate with other Management personnel to update the status of the Emergency situation.

HEADCOUNT RECORD

ERC/ERC will take a head count and record each workers name on the list below:

#	Employee Names	#	Employee Names
1		16	
2		17	
3		18	
4		19	
5		20	
6		21	
7		22	
8		23	
9		24	
10		25	
11		26	
12		27	
13		28	
14		29	
15		30	

FIRE AND EXPLOSIONS

When you hear the emergency alarm, proceed and follow below:

WORKERS

- Initiate evacuation procedure.
- Exit your area through the nearest or alternate emergency exit.
- Close doors behind you.
- Notify the ERC/ERT when you have arrived at the designated staging area or meeting zone.

SUPERVISORS

- Initiate evacuation procedure.
- Notify ERC/ERT in the designated staging area or meeting zone.
- Assist ERC/ERT member in writing a list of evacuated workers at the designated staging area or meeting zone.
- Await further instruction from ERC or emergency responding personnel.

ERC and ERT

- Initiate evacuation procedure.
- Call 9-1-1 (or appropriate number for fire) and report fire.
- Give your name, the company name, address, major intersections, entrance to site, area of site and advice that persons will be available outside for direction. Remain on phone until 9-1-1 operator terminates the call, remain near phone.
- Communicate with ERT members to gather emergency information and determine who may have been in the building. Establish phone calls to those may be unaccounted for.
- Communicate with emergency responding personnel throughout the emergency situation.

MEDICAL EMERGENCIES

WORKERS

- Notify facility First Aid trained personnel and site management team.
- Initiate evacuation procedure if required.
- Assist if possible and safe to do so.

FIRST AIDER

- Assess the scene to determine personal risks or hazards.
- Assess the victim and wear any Personal Protective Equipment (PPE) for personal protection (gloves, mask).
- Take control of the situation and maintain a calm environment.
- Administer first aid if safe to do so.
- Do not move ill or injured person(s), unless it is essential for their safety. Try to make them comfortable.
- Send a worker to notify Facility Management and ERC.
- Direct a worker or the ERC to direct ambulance where the medical emergency is occurring.
- Have someone call 911 if the situation dictates.

For Serious Injury/Illness:

- Notify ERC or facility management as soon as possible.
- ERC or facility management to call 9-1-1 as soon as possible.
- Give your name, the company name, address, major intersections, entrance to site, area of site and advise that persons will be available outside for direction. Remain on phone until 9-1-1 operator terminates the call, remain near phone.
- ERC/ERT member to clear immediate area and direct coworkers to safe place and maintain a calm environment.
- ERC to direct ambulance and other emergency responding personnel to location of emergency situation.
- Secure scene for investigation.

HAZARDOUS MATERIALS ACCIDENTS AND SPILLS

Any spill or leak of a chemical must be treated as being a potential hazardous material incident until the chemical can be identified. If the magnitude of the incident is determined to be of serious concern, initiate the evacuation procedures and call 911.

WORKERS AND SUPERVISORS

- Initiate evacuation procedure if required.
- If evacuation procedure are not required, notify ERC or facility management as soon as possible.
- Determine the name of the spilled or leaking chemical or material from the label on the container or from the shipping manifest or invoice.
- Initiate cleanup of material if safe to do so.
- If during the cleanup of the hazardous material, any worker shows signs or symptoms of distress, immediately remove the individual to a safe location and call 911 for further assistance.

ERC/ ERT Members

- ERC/ERT to assess hazards at the scene and establish the magnitude of the incident.
- ERC/ERT to identify hazard (review MSDS, containers, etc.).
- ERC/ERT to initiate evacuation procedures and call Emergency Services (911)

SPILL EMERGENCY PROCEDURE

When projects are prepared for chemical spills, fewer errors are made and there is a reduced risk to persons, property and the environment. The essential elements of spill response preparation are; training, hazard information, PPE and written procedures as described below.

Training

Spill response training is provided by the Health and Safety Team to Supervisors and workers. All employees will complete WHMIS prior to commencing work and complete annual refresher training.

Hazard Information

Information on the chemical hazards present at the project shall be kept up-to-date and readily available. Sources of information include the SDS, signs, container labels, posters, and reference books. SDS's will be kept on adjacent to hazardous substances at all times, at an easily assessable location.

Workers

- Proceed with caution and advise others that are in the immediate area of the spill of the potential danger.
- If persons are injured, provide first-aid if the scene is secured and you are trained to do so.
- If the spilled chemical has contaminated persons, lead them to the nearest eyewash or emergency shower and assist in washing off the material. However, do not put yourself at risk and become a casualty.
- Notify Supervisor on the site.
- Minor spills or spills of chemicals of low toxicity and/or volatility can be handled by employees at the location.
- If the nature, quantity or location of the spill exceeds the capacity of departmental personnel to deal with it safely and effectively, then outside help shall be requested by contacting the Health and Safety Team.

Spill Clean-up Response

Project Managers are responsible for ensuring that an adequate supply of spill response equipment is maintained at each project location. The Spill Kits will be customized to account for specific hazards and conditions on each location.

The equipment required includes:

- first-aid equipment
- personal protective equipment
- spill cleanup supplies.

Minor Spill

A minor spill is one that usually presents little or no hazard to person or property and is small enough to be safely cleaned up using the emergency spill kit.

1. Notify all personnel and supervisor in the vicinity of spill or any flammable, toxic, volatile material, etc.
2. Evacuate and post warnings
3. Remove contaminated clothing and enter emergency shower, flush eyes for 15 minutes. Be sure chemical is unreactive with water.
4. Obtain information about name of chemical, approximate quantity, hazards of the chemical (review SDS if available)
5. If is safe to do perform clean up procedures. If clean up materials are not available call Emergency Services.
6. Wear PPE
7. Use a spill control material to contain the spill and move it into a container and removed to a temporary storage area off the site area until disposal has been arranged.
8. Wash the affected area and PPE with appropriate cleaning solution
9. Fill out Incident Report Form

Major Spill

A major spill is one that cannot be contained safely with the materials on the site, threatens safety to life, and/or threatens to enter the sewer system or travel beyond the boundaries of building/property to endanger the environment. The Emergency Services shall be contact.

1. Notify all personnel and supervisor
2. Post warnings
3. Evacuate immediate area
4. Call Emergency Services
5. State your name, location, chemical(s) involved, and the amount spilled
6. Attend to any persons who may have been contaminated. Refer to SDS for first aid information
7. Wait in a safe area for the emergency service team
8. Do not allow unauthorized person to enter the contaminated area
9. Fill out the Incident Report Form

EMERGENCY VIOLENCE RESPONSE

If you observe or are notified of a person(s) in possession of a weapon, forcing entry into the building, or appear to be acting in an extremely aggressive manner, the following steps should be followed:

WORKERS AND SUPERVISORS

- Do not confront the individual.
- Initiate evacuation procedure immediately.
- Call 911 immediately.
- Contact the facility manager/ERC as soon as possible.

ERC/ERT Members

- Do not confront the individual.
- Initiate evacuation procedure immediately.
- Call 911 immediately.
- Inform arriving emergency responding personnel of details known to this point.

INCLEMENT WEATHER EMERGENCY RESPONSE PROCEDURE

Inclement weather shall mean the existence of rain or abnormal climatic conditions (whether they be those of hail, snow, cold, high wind, severe dust storm, extreme high temperature or the like or any combination thereof) by virtue of which it is either not reasonable or not safe for employees exposed thereto to continue working whilst the same prevail. Inclement weather conditions include but are not limited to:

- Tornado
- Wind storm
- Thunder storm and/or lightning
- Snow/ice storm
- Flood

Response to a weather emergency may be based on:

- A warning from a local environmental authority
- Media forecast
- Signs of an upcoming weather emergency

A decision on activating the Inclement Weather Emergency Response Procedure shall be made by the Health and Safety Team and can be based upon the following factors:

- Type of forecast conditions (e.g. wind, snow, ice)
- Severity of forecast condition
- Reliability of the forecast
- Feasibility of continued operation
- Type of work which is taking place
- Traffic and roadway conditions in the surrounding vicinity.

Construction projects shall be secured in response to an inclement weather emergency. Precautionary measures include but are not limited to the following:

- Loose debris shall be tied down and secured
- Electrical equipment shall be covered from exposure to the weather
- Loose tools, material and equipment shall be properly stored and secured
- When material and equipment are covered with tarps; tarps are to be securely tied down
- Scaffolding shall be secured
- Crane operations shall be suspended, and crane equipment shall be secured
- Construction fences and barricades shall be braced and secured.

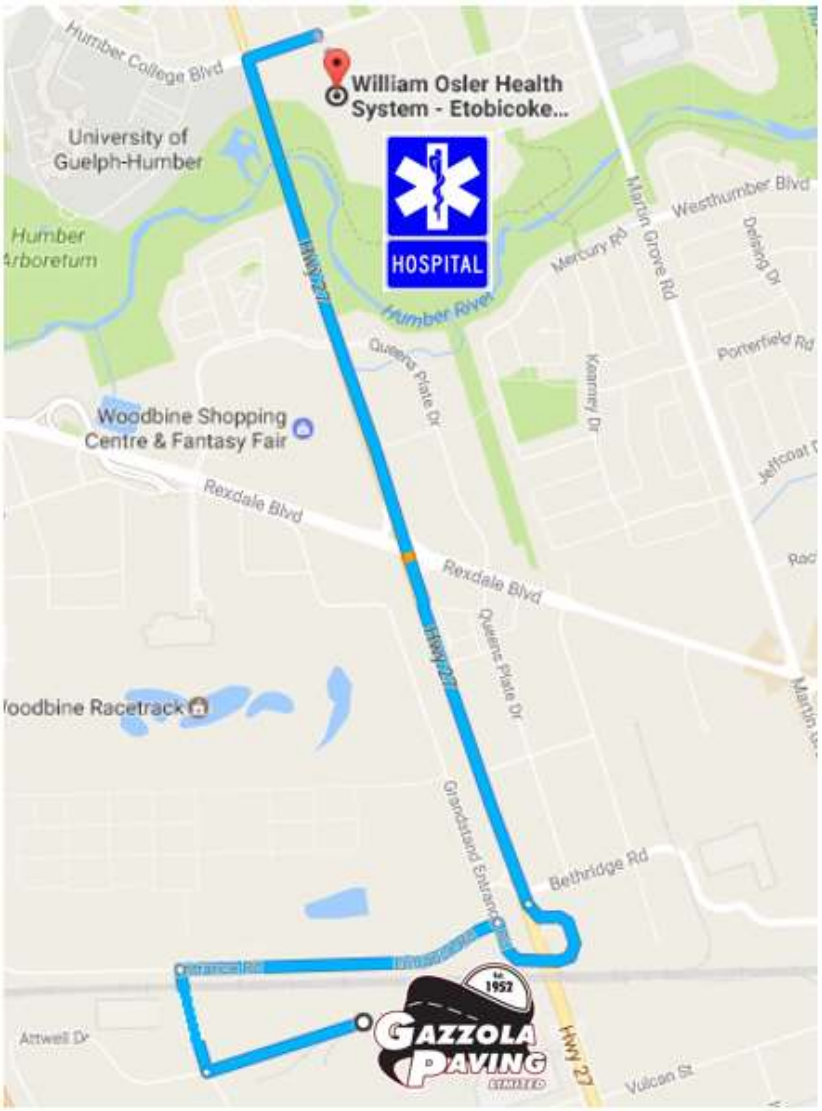
In Case of Emergency

Fire, Police, Ambulance	9-1-1
Ministry of Labour	1 - 877 - 202 - 0008
Hydro	
Toronto Hydro	416 - 542 - 8000
Hydro One	1 - 800 - 434 - 1235
Telephone (Bell)	416 - 310 - 2355
Toronto Sewer / Water	416 - 338 - 8888
CANUTEC	613 - 996 - 6666 (call collect) or *666
M.O.E. Spills Action Centre	1 - 800 - 268 - 6060
Nearest Hospital E.R.	William Osler 101 Humber College Blvd, Etobicoke
Gazzola H&S Coordinator	416 - 527 - 0125 (Cell)
Gazzola Office	416 - 675 - 7007
Alternate Contact	416 - 294 – 2282 (Cell)

Nearest Hospital Emergency Room:

Etobicoke General Hospital

101 Humber College Blvd., Etobicoke



416-494-2120

Directions:

1. Head west on Attwell Dr toward Carlingview Dr
2. Turn right at the 1st cross street onto Carlingview Dr
3. Turn right onto Entrance Rd
4. Turn right onto Grandstand Entrance Rd
5. Slight right onto Hwy 27
6. Turn right onto Humber College Blvd

8. Employee Training

Gazzola is committed to ensuring its Asphalt Plant employees are trained on all aspects of the Environment Management Best Practices Plan. Training is conducted annually at the start of every season for every employee. Job Hazard GAZZ Assessments are completed daily to remind the team of any issues observed and the weekly Tailgate Talks serve to remind employees of areas of opportunity that need to be corrected in the execution of this plan.