

AB02 – Additional Information for Amix RMC Bolton Installation Application.

This permit application is being submitted for Amix RMC Bolton installation at Montcliffe Quarry, Georges Lane, Horwich. It replaces the operations which, until recently, operated at the Loco Works off Chorley Road, Horwich under permit EP/MP/25 (dated 14th December 2018). A separate Part B Surrender form has been submitted under separate cover.

Amix RMC Bolton is located wholly within an operational quarry which benefits from planning permissions containing conditions covering noise and dust monitoring. These monitoring requirements are carried out quarterly.

The benefits of locating Amix RMC Bolton in this location include; retention of local jobs, continued supply of essential construction materials to local markets and improved logistics by siting the facility adjacent to the main operating base of the company.

A site visit was carried out on Tuesday 17th November attended by [REDACTED] (Bolton MBC) and [REDACTED] (Amix RMC Ltd). A variety of aspects of the installation were discussed during the visit and are covered below:

Conveyors

The matter of covers for the aggregate conveyors was discussed and it was noted that the plant was not designed or equipped for this. Indeed, the loading hopper has wind protection on three sides, but no top cover and it is considered unlikely that the aggregate will ever be in a dust creating state. Aggregates come directly from the adjacent quarry and have an approx moisture content of some 5-10% so it is highly unlikely that particulates will be an issue and even less likely that they will leave the boundary of the site.

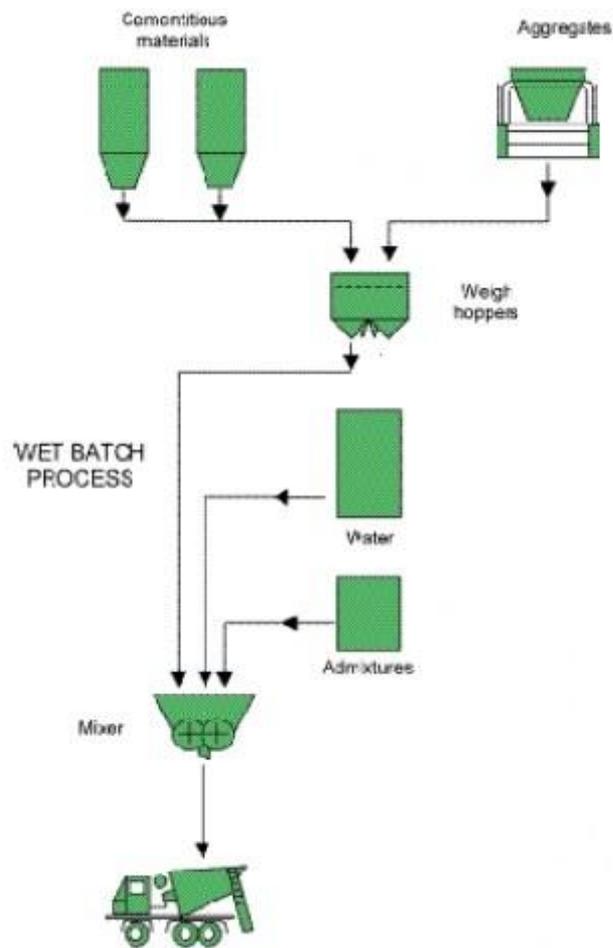
Storage bays & Suppression

The storage bays are not covered, but are located behind a substantial screen bund and are not stocked above the height of the bay walls. At the time of the visit a fourth aggregate was being stored to the most northerly area of the site, this was being tested to establish if it will be included in the mix design. Once lab results have been returned a decision will be made as to whether it's included or not – if it is then it will be given a dedicated bay.

The question was asked about the lack of any form of suppression on the aggregate bays and this had been touched upon above. Due to the moisture content of the aggregates when they are deposited on site (approx 5-10% moisture) to add further water by way of suppression would dramatically alter the water cement ratio (WCR).

This would have potentially dangerous effects on the final product which could lead to a major failure in the product. The batch manager takes regular samples of the aggregates to determine it's moisture content in relation to that of its SSD – this figure is critical to the correct batching of BSI accredited concrete. We do not believe that the aggregates, including the finer deposits, are ever dry enough to create airborne particulates.

Process Diagram



Daily Check List



Week commencing
 Plant

Plant	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
Plant temperature							
Site boundry check (damage inc emissions)							
Visual Check for damage all areas							
Silos							
Overhead Bins							
Ground bin and bays							
Labels and signs Ok							
Build up around rollers, belts etc							
Condition of belts and socks							
Weigh hoppers free of build up							
Pan mixer functioning correctly							
Condition of weigh cells and connecting pipework							
Filters Ok							
Aggregates free of contamination							
Aggregates free of frost/covered							
Is there cross contamination in ground bays							
Are the dispensers free of contamination							
Are the correct labels in place							

Batching system

Is the batching consul functioning correctly							
Have the moisture readings been taken							
Is the batch data running on the correct moisture reading							
Have the stock figures been recorded							

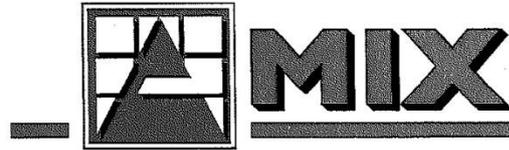
Production data

Batch books							
Delivery tickets							
Job cards							
Other documentation							
Checked by							

Comments

Key

U = Urgent attention (inform line manager)
 C = Caution to be investigated
 P = Preventative action require
 Ok = Checked and all clear



Emergency Procedure for Air pollution incident

- Stop plant using fastest possible option
- Close off Silos using hand valves.
- Carry out visual inspection to find problem area.
- Before going for close inspection allow powder to disperse
N.B. If this cant be done make sure you wear a mask
- If problem can be safely resolved then do so failing that call engineers
- Cary out full clean up of whole area (including beyond boundaries if required).
- Once problem is fixed before silos are opened you **MUST** carry out a manual run of the plant to ensure problem is resolved.
- Record Incident on log as well as notifying the General Manager.

V1.0 July20
