POMONA QUARRIES LIMITED

SUPPORTING STATEMENT

APPLICATION FOR ENVIRONMENTAL PERMIT
FOR A SECTION 3.1 PART B(b) ACTIVITY
AT NEEDINGWORTH QUARRY, ST IVES, CAMBS

BRICE
AGGREGATES

PREPARED BY
DAVID L WALKER LIMITED

APRIL 2025

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SECTION 1 INTRODUCTION

1.1 Pomona Quarries Limited ("PQL" or "the operator") own and operate Needingworth Quarry near St Ives in Cambridgeshire ("the site"). The site is a long established sand and gravel quarry.

1.2 Present day the site is operated via the provisions of consent reference H/5006/19/CM a copy of which is reproduced at Appendix 1. The consent was granted on 29 April 2024 ("the 2024 consent").

1.3 The 2024 consent was issued subject to sixty nine planning conditions, of which ten (D1-D10 inclusive) relate to operations in the Plant Site. Condition A9 provides a removal of Permitted Development Rights, with a partial removal in the Plant Site. The Operator has engaged with Cambridgeshire County Council as the MPA to confirm rights to erect and operate a Ready Mixed Concrete (RMX) Plant.

1.4 This submission has been prepared by David L Walker Limited on behalf of PQL in support of an application for a Section 3.1 Part B(b) Activity under the Environmental Permitting Regulations 2010 (as amended). This Supporting Statement has been prepared in accordance with the best practice guidance set out in Process Guidance Note 3/01(2) – "Statutory guidance for blending, packing, loading, unloading and use of cement" (September 2012) ("the guidance").

1.5 This Supporting Statement will confirm baseline conditions and provide a description of the processes to be undertaken on site, along with the monitoring and mitigation techniques available.

1.6 The document is submitted in support of the application pro forma, a copy of which is reproduced at Appendix 2.

1.7 Brice Aggregates Limited is part of the RA Brice & Partners Group, which is a local family-run business which employs large numbers of people and services in the local community, making a valuable contribution to the local and sub-regional economy. The Company was incorporated on 13 March 2013 and owns and operates Colemans Farm Quarry in Essex as well as the site.

1.8 The company is continuing to develop its Environmental Management System to provide protocols and standards across a wide range of activities and processes, including for facilities associated with the manufacture of ready mixed concrete.

SECTION 2 SITE CONDITIONS

2.1 General

2.1.1 Needingworth Quarry is located to the east of Needingworth village and is a comprehensive landholding bisected by the River Great Ouse. The processing facilities for the site are located to the west of the river enclosed in a fully screened plant site area that houses all processing and management activities linked to the site (refer to Plan LD178-NW-004).

2.1.2 The plant site is located in a wider area of historic mineral extraction, with many of the extracted areas now forming part of the silt/freshwater lagoons that support the processing operations in the plant site.

2.1.3 This application is made in relation to the cement handling aspects of a ready mixed concrete plant (RMX plant) with ancillary facilities. The application area incorporates the immediate area in the vicinity of the RMX plant (refer to Plan LD178-NW-005).

2.1.4 The area of the proposed a Section 3.1 Part B(b) Activity covers only the consented ready mixed concrete plant and the extent of its ancillary operations not including the site access road).

2.2 Site History

2.2.1 The operation of the site dates back into the 1980's initially via the development of the parts of the site situated west of the River Great Ouse.

2.2.2 The consented activities at the site were subject to a phase of planning which resulted in the grant of Planning Consent H/0901/99CM and S/1020/99/CM granted on 25 June 2001 (which expanded extraction activities to the east and west of the River Great Ouse); which in turn has been varied by consent reference H/5005/02/CM and S/0895/02CM (2002 consent).

2.2.3 The development of the Plant Site was achieved prior to both of these consents. Present day the site is operated via the 2024 consent.

2.2 Existing Situation

2.3.1 The plant site located west of the river accommodates a fixed washing and grading plant, extensive stocking ground both for as raised and processed products; facilities for direct loading of HGV's; bagging plant and ancillary facilities; workshop; site offices (including control room for the main plant) weighbridges (2No); and other ancillary facilities including a maintenance workshop.

2.3.2 The plant site is framed by an extensive network of soil bunds that provide visual and acoustic mitigation. The plant site is accessed via a 1.7km long haul road from its junction with Bluntisham Road. It was observed in the recent site visit, that he haul road was mainly on good condition with no apparent defects of significance.

2.3.3 The effect of the haul road means that the plant site is remote from residential amenity, with the nearest being Priors Field Farm being some 0.9km to the north.

2.3.4 The plant site is located in a wider area of historic mineral extraction, with many of the extracted areas now forming part of the silt/freshwater lagoons that support the processing operations in the plant site.

2.3.5 The plant site is located in a framework of public rights of way including Footpaths Bluntisham 23/1; 23/2; and 23/3. These paths cross over elements of the restored site, and progress parallel to the River Great Ouse (refer to Figure 1 below).

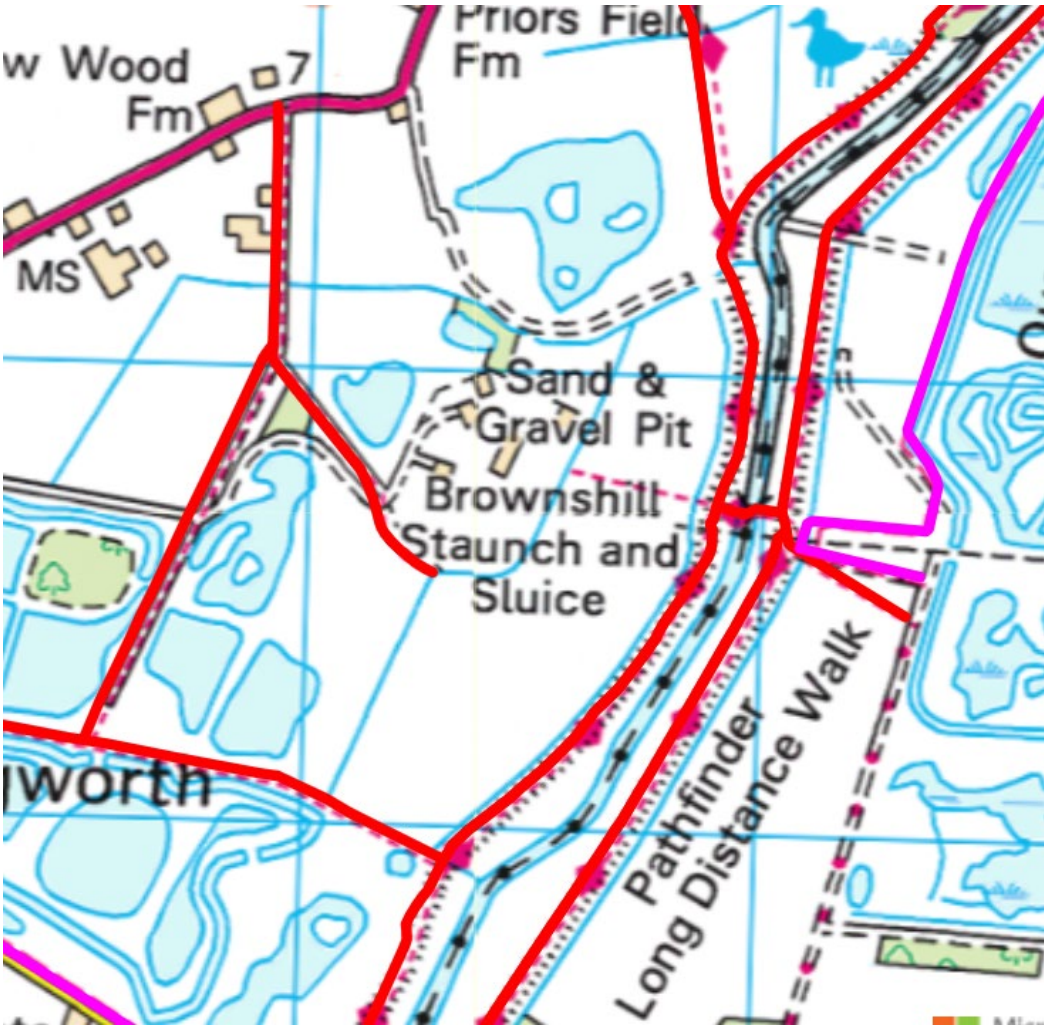


Figure 1 – Rights of Way near Plant Site at Needingworth Quarry

2.3.6 The River Great Ouse is the principal drainage feature in the vicinity of the site, however the plant site is located in the area of the Bluntisham Internal Drainage Board, and as such is framed by a number of important drainage assets including the Brownshill Staunch (refer to Plan LD178-NW-004).

2.3.7 The plant site is not located on or in close proximity to any nationally designated ecology or heritage assts, but the presence of the Ouse Washes SPA and Ramsar to the north west is a notable feature, as are the Barrow Scheduled Monuments to the west. There are no known local landscape or ecology designations, but the plant site (and all other parts of the site) are located in a Green Infrastructure Opportunity Area.

SECTION 3 SITE PROCESSES

3.1 General

3.1.1 The planning consent (refer Appendix 1) amongst other matters allows for the erection and operation a RMX Plant (including ancillary facilities) for the manufacture and distribution of ready mixed concrete.

3.1.2 This application for a Section 3.1 Part B(b) Activity, is to regulate the cement handling activities associated with the approved development. The information in this section supports the answers to questions C1-C19 inclusive of the application form reproduced at Appendix 2.

3.1.3 The ready mixed concrete batching plant is consented for working within the following hours of operation:

- 7.00 am – 7.00 pm Monday to Friday;
- 7.00 am – 1.00 pm Saturday.

3.2 Layout

3.2.1 The proposed layout is identified on Plan LD178-NW-005 with the RMX Plant situated north of the main aggregates processing plant. The options for the layout and operation of the site have been subject to an iterative design process to minimise impact. The layout also seeks to ensure that processed minerals stocking capacity at the main site isn't compromised.

3.2.2 A bespoke HGV routing system will operate consistent with best practice at such locations, minimising the need to reverse, and the interaction between road going vehicles and heavy plant activity wherever possible.

3.2.3 It is proposed to erect and operate a semi mobile plant (comprising a Liebherr Mobilmix 2.5). The proposed plant comprises a ready mixed concrete with ancillary facilities including:

- aggregate feed hopper;
- aggregate stocking bays;
- cement and admixture silos;
- conveyors;
- mixing unit; and
- integrated batch cabin.

3.2.4 Elevations of the plant are reproduced at Appendix 4. These confirm a modular installation with a maximum height of 16.4m. A copy of the technical brochure for the plant is reproduced at Appendix 4.

3.2.5 The design of the plant includes measures to minimise dust and other potential emissions consistent with Sections 3 and 5 of process guidance note PG3/01. The plant and equipment will be constructed in a steel framework supported by concrete plinth foundations.

3.3 Ready Mixed Concrete Operations

3.3.1 Semi Mobile plant within the proposed activity area will include the installation of a modular plant comprising, feed hopper, conveyors, aggregate storage bins (5 each of 50 tonne capacity), concrete mixing plant, control cabin and silos (3 No.) for storing the cement and admixtures (each 100 tonne capacity).

3.3.2 Aggregates will be provided from the existing approved stores to the north of the application site, as shown on Plan LD178-NW-005 and will be fed into the bins by a front-end loading shovel.

3.3.3 The conveyor is within the inline silo system and is a weigh belt as well, only open at the discharge point end connected to the charger skip. The conveyor feeds the material at a controlled rate directly into the enclosure of the charger the material is sequenced on the weigh belt prior to discharge in a way to prevent any overspill during the transfer of materials. There is also a secondary sheet guard positioned between the mouth of the charger elevator and the end of the weigh belt, this also prevents spillages from occurring during the material transfer process. This provides an effective means of mitigation to control the arisings of dust and/or waste materials.

3.3.4 Ordinary Portland Cement (OPC), and additives such as filler, limestone dust, GGBS and anhydrite will be stored in silos (each of 100 tonne capacity). These materials will be transported to the application site by sealed tanker and pumped, via a flexible heavy-duty hose, into the silos using compressed air as a medium carrier. Close records will be maintained of all deliveries, including volumes delivered, time of delivery and the duration of the delivery. These records will be maintained on site for a minimum period of two years. Deliveries will be carefully controlled through suitably worded instructions to delivery and drivers enforced by site management.

3.3.5 Silos will be operated in accordance with the applicant's standard on silo management. Each silo on site will be fitted with automatic high and low level audible/visual indicators, which will monitor the filling operation. When fill levels reach the high-level indicator, the alarm will switch off the inlet valve, to prevent overfilling. The use of compressed air will create the requisite pressure conditions to allow the safe and efficient delivery of the powder.

3.3.6 The top of each silo will be fitted with reverse jet filters, used to allow the free flow of air in and out of the silos without any powder escape from the silo. A certification for the filter is reproduced at Appendix 5. Enclosed emergency pressure release valves are also fitted to prevent tankers over-pressurising the silos. The jet filter valves, and hose connectors will be checked weekly and prior to each delivery, to meet the requirements of an Environmental Permit issued by the Local Authority.

3.3.7 The silos will be up to 16.4m high, and as such, the input rates will need to be correctly controlled by the tanker driver to ensure that flow capacities (and silo volumes) are not exceeded. The cement and admixtures will be transferred to the mixing unit by enclosed screw conveyers.

3.3.8 The constituent materials, having been blended to product specification, will then be agitated following the addition of water where a wet batch process is used in the twin shaft mixer (2.5m^3 capacity), which forms the main component of the batching plant and at which point will be discharged into a truck mixer for transport to the market place.

3.3.9 The plant will incorporate the latest environmental protection measures to comply with Environmental Protection and Permitting provisions (and process guidance note PG3/01) and to prevent any nuisance arising from the operations, and will be operated in accordance with any necessary authorisation. The plant will benefit from appropriate control systems to monitor production activity and environmental emissions. Records of this monitoring will be retained on site for a minimum period of two years.

3.3.10 On completion of daily deliveries, the mobile mixer units will wash out the barrels into the washout bay situated adjacent to the plant (refer to Plan LD178-NW-005). The bay and associated wedge put will be of concrete construction with retaining walls built up to 1m height to act as edge protection, and provide additional storage capacity if and when required.

3.3.11 The washout from the mobile mixers will be allowed to settle out, with the water being re-circulated in the concrete mixing plant and the settled solids reclaimed and fed back into the concrete manufacturing process. Such an approach is consistent with best practice guidance.

3.4 Emissions Profile and Site Management

3.4.1 There is scope for dust emissions associated with all activities on site, and cementitious emissions for the ready mixed concrete plant only.

3.4.2 There is also scope for water based emission for the operations, however in this instance only potential emissions to air have been considered, as water will be retained and re circulated in site as far as possible. The potential for emissions to air is summarised in the table below.

Source	Type	Monitoring
Aggregate Stocking	Fugitive - dust only	Visual inspection only, in accordance with site dust management plan
Aggregate Transfer Conveyors	Fugitive - dust only	Visual inspection only, in accordance with site dust management plan
Cement Silos	Point	Point source potential for emissions at loading point and at air inlet on top of silos. Reverse Jet filters to be installed and maintained as required. Monitoring of level in silos to prevent emissions from the latter. Protocols to be maintained to govern the of cement from tanker's to silos.
Batching Plant	Fugitive	Batching plant fully enclosed only occupational monitoring necessary.
Concrete Loading	Point	Low chance of point source emission during transfer of ready

		mixed concrete to mobile mixer units. Visual monitoring only during loading. In the event of visual emissions being identified loading should cease, and measures should be undertaken to identify and address the source of the emission.
Haulage	Fugitive	Limited scope for any cementitious build up of materials within yard and on haul roads. Visual inspection only, in accordance with site dust management plan
Wash Out	Point	Potential point source emissions from wash out bays if allowed to dry out. Visual inspection only, in accordance with site dust management plan

Table 1: Emissions Profile

3.4.3 In order to effectively manage and mitigate the scope for emissions, proactive maintenance and inspection regimes will be applied with independent verification as and when required. An accurate record will be maintained of such activities on site, and made available for inspection as and when required.

3.4.4 The plant will be subject to continual process monitoring but also daily and weekly inspections to identify and remedy any apparent dust emissions or any other defects that may affect its operation.

3.4.5 Good housekeeping measures will also be maintained to prevent the accumulation of mud and debris, both in and around the batching plant (including the cement silos) and along haulage routes used on site.

3.4.6 In all instances Best Available Techniques will be used to prevent or proactively reduce any emissions from the installation. Appreciation and understanding if such techniques shall be subject to ongoing training and instruction, with records of such training retained on site as required.

SECTION 4 POTENTIAL IMPACTS

4.1 Introduction

4.1.1 The applicant company recognises the importance of the natural environment and the potential that operations at their sites may have on the local environment.

4.1.2 The Company plays a significant role as both a member of the local community and as one of the county of Essex's leading independent supplier of sand and gravel. In the latter regard, the applicant is committed to providing materials but only where emissions can be controlled to minimise nuisance to local residents.

4.2 Site Specific Considerations

4.2.1 Having the benefit of operational experience at similar sites, the company has a thorough knowledge of the potential impact of its operations. The proposals do not constitute development for which an EIA will be required.

4.2.2 However, a review of the proposals within the planning application has been undertaken and this has highlighted a number of issues with which the proposals can be associated. The company has undertaken studies in the following areas:

(i) visual effects;
(ii) noise;
(iii) air quality;
(iv) highways and traffic; and
(v) flood risk assessment.

However of the above only air quality and flood risk are considered to be needed to be addressed as part of This Environmental Permit application.

4.3 Dust/Air Quality

4.3.1 Dust is defined as particulate matter in the size range 1-75 microns (µm) in diameter and is produced through the action of crushing and abrasive forces on materials. Dust may be generated at mineral sites during a range of site preparation, excavation, transportation and minerals processing operations (including the manufacture of ready mixed concrete), although as noted such operations are not likely to generate noticeable levels of particulate matter.

4.3.2 Wind has the potential to lift dust from surfaces where the mineral is processed, depending on the speed of the wind, the condition of the surface and the size of the dust particles. This potential nuisance can be substantially reduced where surface wetting occurs, for example by the use of motorised dust suppression units (water bowsers).

4.3.3 The generation of dust from quarrying and cement handling activities and its consequent dispersal through the atmosphere is dependent not only on the type and level of site activity, but also on prevailing meteorological conditions. It is understood that as the prevalent wind direction is from the south-west quadrant, the proposed operations are unlikely to affect the nearby potential receptors, even with increased HGV and mobile plant activity.

4.3.4 Effective schemes and controls are in place via conditions A12: C5 and D4 of the 2024 consent, with further controls to be provided via appropriate Environmental Permit conditions.

4.3.5 Any dust occurrence event will be limited and of short duration and will be minimised by implementation of the dust control recommendations. Notwithstanding the periods when adverse weather conditions are likely to occur, the continued operation of a Dust Action Plan will ensure that extra vigilance is undertaken at all times and as such that impacts are managed and mitigated wherever possible.

4.4 Flood Risk Assessment

4.4.1 In terms of hydrology and flood risk, the application site is not within a specific area designated by the EA as being at high risk to flooding; and the acceptability of materials stocking in this location has already been proven through the grant of consent H/5006/19/CM and therefore no further assessment is provided at this juncture.

4.4.2 Taking into account the site location based on the Environment Agency's functional floodplain map, it is considered that there is a risk of flooding occurring at the site. However, a sequential approach has been used on the site design based on resilience measures to minimise any impacts.

4.4.3 Given the low vulnerability nature of the operation undertaken on site, allied to the position of the site in relation to the functional floodplain and its existing use, it is considered that there is no specific need for flood risk management.

4.4.4 In summary, the Flood Risk Assessment finds that there is minimal risk of flooding occurring at the site, and in addition, finds that there is negligible flood risk to the environs of the application site caused by runoff. This means that dust or waste arisings at the site can be adequately controlled and are at minimal risk of being conveyed to nearby what causes and/or sensitive ecological features.

Plan LD178-NW-004

Site Plan

PERMIT AREA

PLANT SITE

Track

Drain

BROWNSHILL STAUNCH

ACCESS ROAD

MINERAL PROCESSING PLANT

Conveyor

Queen's Grounds

Drain

Drain

Drain

GRID NORTH

Legend

- Needingworth Quarry
- The Plant Site
- The Permit Area

POMONA QUARRIES LIMITED

Location

Needingworth Quarry

Title

RMX Environmental Permit
Site Plan

Drg.No.	Scale	Date
LD-178-NW-004	1:X,000@A3	04/25

David L Walker Limited

Albion House 89 Station Road
Eckington Sheffield S21 4FW

Tel: 01246 431 749 Fax: 01246 431 863
Email: headoffice@dlwalker.uk

Plan LD178-NW-005

Site Layout Plan

All levels in metres above ordnance datum

L:\Landesign\Projects\Active\Active\LD178 - Brice Agg - Needingworth\General\Plans\Batching Plant\LD178-NW-005 Proposed site layout.dwg

Perimeter bund

Storage containers

Water and admix tanks

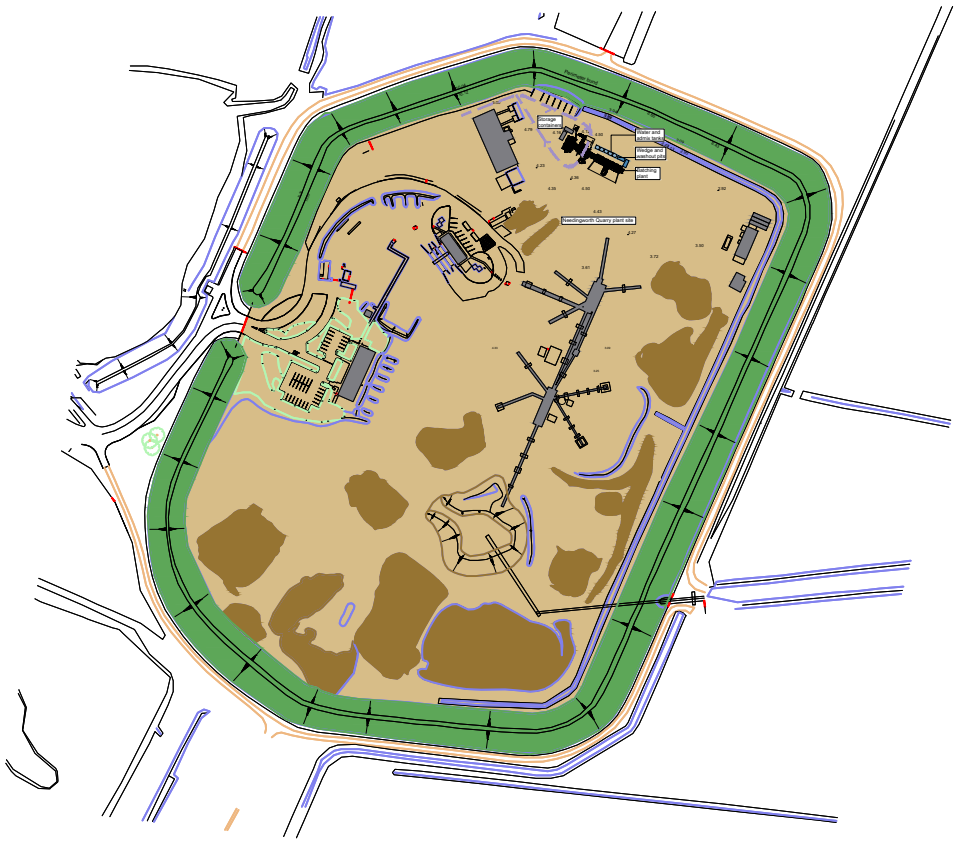
Wedge and washout pits

Batching plant

Needingworth Quarry plant site

3.94
3.89
3.84
8.60
3.09
2.42
3.13
2.95
8.43
4.79
4.16
4.12
4.23
4.36
4.35
4.50
4.43
3.61

NEEDINGWORTH PLANT SITE Scale 1:5000



BRICE AGGREGATES

LANDESIGN PLANNING & LANDSCAPE

Site	NEEDINGWORTH		
Title	Proposed site layout		
Scale at A3 1:500	Date Feb 2025	Drawing No. LD178-NW-005	
Drawn By JEB	Checked By		

APPENDIX I

Copy of Planning Consent H/5006/19/CM
dated 29 April 2024

Ref. No. H/5006/19/CM

Town and Country Planning Act 1990

Notification of the decision on a planning application

To Ian Briggs
Landesign
Beacon House
10 Forest Road
Loughborough
LE11 3NP

Cambridgeshire County Council, in pursuance of powers under the above Act; hereby **GRANT** planning permission subject to compliance with the conditions set out below:

For **Creation of wetland habitat following excavation and processing of sand and gravel**

Informative: Section 73A planning application to develop land without complying with conditions A3, A4, A5(a), A5(c), A5h, A6, A9, A10, B1, B2, B8, B15, D11, D13, D14, D15, E1, E2, E3, E4, H1, H2, H3, H4, H6, H7, H9, H10, H16, H20, H21, H22, H23, H25, H29 and H30 of planning permission H/5005/02/CM & S/0898/02/CM (Variation of condition A5A(a) and A5(c) of planning permission H/0901/99/CM & S/1020/99/CM - Creation of wetland habitat following excavation and processing of sand and gravel) and associated changes to the related S106 agreement

At **Needingworth Quarry, Bluntisham Road, Needingworth, PE27 4TA**

In accordance with your application dated 20 May 2019 (amended 6 July 2021) and the plans, drawings and documents which form part of the application.

Date: 29 April 2024 Signed:

Tim Watkins, Head of Service, Planning and Sustainable Growth, Cambridgeshire County Council, New Shire Hall, Emery Crescent, Enterprise Campus, Alconbury Weald, PE28 4YE

A. General

Conditions A1 – A20 relate to the entire planning permission area as defined in condition A2 as 'the Site'

A1 This permission comes into effect on the date of issue of this decision.

Reason: For the avoidance of doubt and to comply with Section 91 of the Town and Country Planning Act 1990 as amended by Section 51 of the Planning and Compulsory Purchase Act 2004 and taking into account the retrospective element.

A2 This permission shall only relate to the land outlined in red on drawing no. O2fc/324 dated May 1999 (received 22 June 1999) referred to in these conditions as 'the Site'.

Reason: To define the permission for the avoidance of doubt.

A3 This permission shall be for a limited period expiring on 31 December 2030 at which time the Site shall be reinstated to a condition suitable for amenity, agriculture and nature conservation afteruses in accordance with drawing no. LD78-NW-001b Revised restoration scheme dated May 2020 (received 6 July 2021).

Reason: To secure working and restoration within an acceptable timescale in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19 and Policy 20, Huntingdonshire Local Plan (May 2019) policy LP30 and South Cambridgeshire Local Plan (September 2018) policy NH/4.

A4 The winning and working of minerals shall only take place within the area shown on drawing no. LD78-NW-004 Revised Phasing of Working dated Dec 2018 (received 20 May 2019) by a black dashed line as Extent and direction of phasing.

Reason: In the interests of visual and residential amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17 and Policy 18, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

A5 The phasing of the extraction of sand and gravel shall be carried out in accordance with drawing no. LD78-NW-004 Revised Phasing of Working dated Dec 2018 (received 20 May 2019).

Reason: To ensure that the development progresses in a satisfactory manner in accordance with good practice and to safeguard the restoration of the site to a beneficial after-use in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19.

A6 No soil stripping shall take place in any new extraction phase until the applicant, or their agents or successors in title has secured the implementation of a programme of archaeological work in accordance with a Written Scheme of Investigation, which responds to the requirements of the mineral planning authority's archaeology brief, and that has been submitted to and approved in writing by the mineral planning authority. The pre-development aspects of the archaeological work shall include:

i) Submission of a Written Scheme of Investigation prepared by the archaeological contractor that sets out the methods and timetable for the investigation of archaeological remains in the development area starting with the evaluation of the impact areas; and
ii) Completion of mitigation fieldwork in accordance with the approved Written Scheme of Investigation.

Reason: To safeguard any archaeological remains in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 21, Huntingdonshire Local Plan (May 2019) policy LP34 and South Cambridgeshire Local Plan (September 2018) policy NH/14.

A7 The post-fieldwork sections of the archaeology programme shall be fully implemented in accordance with the timetable and provisions of the approved Written Scheme of Investigation referred to in condition A6. This stage of the programme shall follow the signed-off fieldwork and shall comprise:

i) Completion of a Post-Excavation Assessment report and an Updated Project Design for the analytical work to be submitted for approval within six months of the completion of fieldwork, unless otherwise agreed with the mineral planning authority;
ii) Completion of the approved programme of analysis and production of an archive report; submission of a publication synopsis and preparation of a publication report to be completed within two years of the approval of the Updated Project Design, unless otherwise agreed with the mineral planning authority; and
iii) Deposition of the physical archive, except from the land shown in blue on Plan No. 3 The Land (drawing no. O2_424b dated Mar 2024), in the Cambridgeshire Archaeological Archive Facility and deposition of the digital archive with the Archaeology Data Service within 1 year of completion of (ii).

Reason: To safeguard any archaeological remains in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 21, Huntingdonshire Local Plan (May 2019) policy LP34 and South Cambridgeshire Local Plan (September 2018) policy NH/14.

Date: 29 April 2024 Signed:

A8 No soil shall be stripped from Phase 21 shown on drawing no. LD-NW-004 Revised Phasing of Working dated Dec 2018 (received 20 May 2019) until a scheme for monitoring the impacts of the development on the River Great Ouse and within ecologically sensitive areas outside of the site (subject to the owners' agreement) has been submitted to and approved in writing by the mineral planning authority. The scheme shall include:

i) trigger levels; and
ii) provision for remedial action to be taken if a trigger level is reached.

The development shall be carried out in accordance with the approved scheme.

Reason: To monitor the impact of the quarry dewatering on adjacent land in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 20 and Policy 22, Huntingdonshire Local Plan (May 2019) policy LP30 and South Cambridgeshire Local Plan (September 2018) policy NH/5.

A9 Notwithstanding the provisions of Part 17 of the Town and Country Planning (General Permitted Development) Order 2015 (GPDO) (or any order revoking and re-enacting that Order with or without modification), no additional fixed plant, machinery, buildings or structures shall be erected, extended or installed outside the Processing Plant Area without the prior written approval of the mineral planning authority. For the avoidance of doubt the use of GPDO Part 17B remains available to satisfy this purpose.

Reason: To maintain the landscape character of the area in the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

[For the avoidance of doubt GPDO Part 17 Class A may still be used within the Processing Plant Area and for the repair, maintenance or replacement of any buildings, plant and machinery in use outside the Plant Processing Area that are present on the date of this permission e.g. field conveyor / conveyor bridge / access roads and gates / security equipment / and equipment necessary to facilitate the management of the reedbed etc). The periodic relocation of the conveyor system with the mineral workings is also permitted development under Part 17 Class A under this condition.]

A10 Except in emergencies to maintain safe quarry operations (which shall be notified to the mineral planning authority as soon as practicable):

(a) No operations, other than water pumping, servicing, environmental monitoring, mineral processing, use of field conveyors, essential maintenance and testing of plant shall be carried out at the Site except between the following hours:
0700 hours and 1900 hours Monday to Friday; and
0700 hours and 1300 hours on Saturday.

(b) Notwithstanding Condition A10 (a) above, where soil stripping or restoration earth moving operations take place within 500 metres of the curtilage of a residential property, these shall only be carried out between the following hours:
0800 hours and 1700 hours Monday to Friday

(c) The field conveyor system and bridge shall not be operated at the Site except between the following hours:
0700 hours and 2000 hours Monday to Friday, and
0700 hours and 1400 hours Saturday

(d) No minerals/aggregates shall be exported from or imported to the Site via the vehicular access to the public highway except between the following hours:
0700 hours and 1800 hours Monday to Friday, and
0700 hours and 1300 hours Saturday

(e) No motor vehicle associated with quarry operations and bulk haulage shall access or egress the Site via the vehicular access to the public highway except between the following hours:
0645 hours and 2000 hours Monday to Friday and
0645 hours and 1400 hours Saturday

(f) No motor vehicle associated with the angling afteruses shall enter or egress the Site via the vehicular access to the public highway except between the following hours:
0645 hours and 2000 hours Monday to Sunday

(g) Access for maintenance traffic delivering materials to quarry operations on Phases 14 – 20 and 22 - 24 near Over shall only take place between 0900 hours and 1600 hours Monday to Friday except bank or public holidays.

(h) No quarry operations, mineral processing, internal transport of mineral by conveyor other than water pumping and environmental monitoring at the Site shall take place on Sundays, bank or public holidays.

Reason: In the interests of residential and recreational amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/10.

Date: 29 April 2024 Signed:

A11 Best practicable means shall be used to ensure that noise from the Site is minimised. All plant shall be fitted with efficient silencers for the duration of operations on the Site.

Reason: To minimise disturbance from noise in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/10.

A12 All necessary steps shall be taken to minimise the generation and emission of dust with facilities being made available and brought into use to ensure that the surface of temporary internal haul roads can be kept damp during periods of dry weather.

Reason: To minimise the impact of dust on the human and natural environments in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy CS18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/14.

A13 All vehicles, plant and machinery operated on the Site shall be maintained in accordance with the manufacturers' specifications at all times. All vehicles that are fitted with reversing alarms shall be fitted with broadband or "white noise" type reversing alarms.

Reason: To minimise disturbance from noise in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/10.

A14 Any fuel oil storage facilities provided on the Site shall be located within an impervious bunded area of 110% capacity of the tank and associated pipework.

Reason: To minimise the risk of pollution to land and water in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP37 and South Cambridgeshire Local Plan (September 2018) policy CC/7.

A15 In the event of a cessation of working of minerals prior to the achievement of the completion of the approved scheme shown on drawing no. LD78-NW-001b Revised restoration scheme dated May 2020 (received 6 July 2021), which in the opinion of the mineral planning authority constitutes a permanent cessation within the terms of paragraph 3 of Schedule 9 of the Town and Country Planning Act 1990, a revised restoration scheme, to include details of reclamation and aftercare, shall be submitted in writing to the mineral planning authority for approval, within 18 months of the cessation of winning and working. The approved scheme shall be fully implemented within 24 months of the written approval. The approved five-year aftercare scheme shall be implemented in full.

Reason: To secure restoration of the site in the event of premature cessation of mining operations in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19.

A16 The final restoration works shown on drawing no. LD78-NW-001b Revised restoration scheme dated May 2020 (received 6 July 2021) including the removal of the processing plant, conveyor bridge, conveyors, offices and quarry haul road shall be completed within 24 months of the cessation of extraction and processing.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

A17 No sand and gravel shall be removed from the Site onto the public highway except by vehicles using the Existing quarry access shown in brown on drawing no. O2fc/341 Site Access dated May 1999 (received 22 June 1999).

Reason: In the interests of highway safety in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23.

A18 The site shall not be operated except in accordance with the Needingworth Quarry Routing Agreement dated 22 March 2021 and PLAN 1 – HCV routing plan (drawing no. LD78-NW-004 dated Mar 2021).

Reason: In the interests of highway safety in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23.

A19 The Needingworth Quarry Routeing Agreement and PLAN 1 referred to in condition A18 shall be displayed at the weighbridge and all driver welfare facilities.

Reason: In the interests of highway safety in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23.

A20 The development shall take place in accordance with the Needingworth Quarry Liaison Committee Terms of Reference dated 11 October 2021.

Reason: To provide a forum in which the operator and representatives of the local community and regulatory bodies can share information relating to the site in accordance with the Cambridgeshire Statement of Community Involvement (adopted January 2019).

B. Extraction and Restoration at Needingworth Quarry

Conditions B1 – B12 relate only to that part of the site within the parishes of Holywell-cum-Needingworth and Bluntisham to the west of the River Great Ouse (Area B)

B1 The working, restoration and aftercare of Area B shall only be carried out in accordance with the following drawings:

i) O2fcg/304 Sequence of silt disposal dated May 1999 (received 22 June 1999);
ii) LD78-NW-004 Revised Phasing of Working dated Dec 2018 (received 20 May 2019); and
iii) LD78-NW-001b Revised restoration scheme dated May 2020 (received 6 July 2021).

Reason: To enable the mineral planning authority to adequately control the development and to minimise its impact on the local area in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

B2 The operator shall give at least 7 days' notice to the mineral planning authority prior to the commencement of topsoil or subsoil stripping from any part of Area B. Topsoil and subsoil stripping shall only be carried out when the full depth of the soil to be stripped or otherwise transported is in a suitably dry and friable moisture condition.

Reason: To maintain the quality of the soils so that they are suitable for use in restoration of the site in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 24.

B3 With the exception of approved internal haul routes, plant and vehicles shall not cross areas of unstripped topsoil and subsoil except for the purposes of soil stripping and replacement operations.

Reason: To maintain the quality of the soils so that they are suitable for use in restoration of the site in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 24.

B4 No soil shall be stripped from Area B except in accordance with a scheme which has been submitted to and approved in writing by mineral planning authority. The scheme shall include:

i) the depth of topsoil and subsoil to be stripped;
ii) the sequence of soil stripping; and
iii) the location and dimension of storage bunds including any amenity screening bund(s) along the eastern (riverside) boundary.

Topsoil shall first be stripped from any subsoil storage areas. The soil storage bunds shall be seeded during the next available sowing season following their construction. The soil storage bunds shall be kept free of weeds and maintained to a good amenity standard until the soil is re-spread over Area B in accordance with the restoration scheme referred to in condition A3. No stored topsoil and subsoil shall be removed from Area B.

Reason: To maintain the quality of the soils so that they are suitable for use in restoration of the site in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 24.

B5 Stored topsoil shall only be moved when in a dry and friable condition.

Reason: To maintain the quality of the soils so that they are suitable for use in restoration of the site in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 24.

B6 No soil shall be replaced within either Phase 21 or Phase 25 until a detailed restoration scheme and a 5-year aftercare strategy for Area B has been submitted to and approved in writing by the mineral planning authority. The aftercare strategy shall include land drainage and the method of promoting the establishment of grass and trees, weed control, the keeping of records, an annual review of performance with the mineral planning authority and any other steps as may be deemed appropriate. The approved restoration scheme and aftercare strategy shall be implemented in full.

Reason: To ensure the restoration of the land in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19.

B7 Facilities shall be provided to ensure that waste oil is stored and disposed of in a manner that will not lead to pollution. No contaminated water shall be discharged so as to pollute surface or underground waters.

Reason: To minimise the risk of pollution to land and water in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 22, Huntingdonshire Local Plan (May 2019) policy LP37 and South Cambridgeshire Local Plan (September 2018) policy CC/7.

B8 There shall be no vehicular access for HCVs to Area B except via the Existing quarry access shown on drawing no. O2fc/341 Site Access dated May 1999 (received 22 June 1999).

Reason: In the interests of residential amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23.

B9 All pumping apparatus shall be electrically powered.

Reason: To minimise disturbance from noise in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/10.

B10 The water filled mineral voids shall be progressively restored to finished levels, not exceeding pre-existing ground levels, using processed mineral arisings, overburden and stored topsoil and in accordance with the drawing no. O2fcg/304 Sequence of silt disposal dated May 1999 (received 22 June 1999). No other waste materials shall be imported into the site for restoration purposes.

Reason: To ensure that the development progresses in a satisfactory manner in accordance with good practice and to safeguard the restoration of the site to beneficial after-use in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19 and Policy 20, Huntingdonshire Local Plan (May 2019) policy LP30 and South Cambridgeshire Local Plan (September 2018) policy NH/4.

B11 The land to be retained as open areas of water, both in the interim restoration phases and as a result of final restoration, shall only be used for angling or general amenity purposes in accordance with a phasing scheme that has been submitted to and approved in writing by the mineral planning authority. The scheme shall be implemented in accordance with the approved phasing.

Reason: To ensure the restoration of the site to a beneficial after-use in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19.

B12 Details of the proposed vehicular access tracks and parking areas associated with the angling afteruse of the canals and water areas shall be submitted to and approved in writing by the mineral planning authority prior to their construction. The approved scheme shall be implemented in accordance with the approved details prior to the commencement of recreational use.

Reason: To ensure the restoration of the site to beneficial after-use in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19.

C. Quarry Access Road

Conditions C1 – C6 relate only to that part of the site shown in brown as Existing quarry access on drawing no. O2fc/341 Site Access dated May 1999 (received 22 June 1999) (the Quarry Access Road)

C1 The layout of the access from the Quarry Access Road to the public highway shall be in accordance with the following drawings:

- ACC 03 Proposed Site Access Details Sheet 1 of 2 dated FEB 96 (received 20 February 1996); and
- ACC04 Proposed Site Access Details Sheet 2 of 2 dated FEB 96 (received 20 February 1996).

Reason: In the interests of highway safety in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23.

C2 The following existing works shall be retained for the duration of extraction operations:

1. Signs at the site entrance indicating the approved HCV routes for vehicles leaving the site.

2. Lockable gates on the Quarry Access Road as shown on drawing no. ACC 03 Proposed Site Access Details Sheet 1 of 2 dated FEB 96 (received 20 February 1996).

3. The 4-metres high noise attenuation bank bordering the western side of the Quarry Access Road as shown on drawing no. O2fc/81 Site access dated June 1993 (received 5 August 1993).

4. Warning signs erected where the Quarry Access Road crosses public rights of way.

Reason: In the interests of highway safety in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23.

C3 No floodlighting shall be erected at the site entrance or on the Quarry Access Road to the processing plant without the prior written consent of the mineral planning authority.

Reason: To minimise the risk of light pollution in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/9.

C4 The surfacing of the Quarry Access Road shall be maintained in a good state of repair and kept clean and free of mud and other debris at all times until completion of site restoration.

Reason: In the interests of amenity and highway safety in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23.

C5 Any dust emissions generated by vehicles using the Quarry Access Road shall be controlled with facilities being made available and brought into use to ensure that the surface of the Quarry Access Road is kept damp during periods of dry weather.

Reason: To minimise the impact of dust on the human and natural environments in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/14.

C6 The screening bank adjacent to the western and southern sides of the Quarry Access Road as shown on drawing no. 02fc/81 Site access dated June 1993 shall be retained and maintained to a good amenity standard with regular cutting and weeding until required for the restoration of the site.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

D. Processing Plant Area

Conditions D1 – D10 relate only to that part of the site shown within and including the screening bund shown on drawing no. O2fc/329 Plant Site Layout dated May 1999 (the Plant Site).

D1 The screening bund shall be in accordance with drawing no. O2/628 Lighting & screen bank plan Condition D11 & D13 dated July 2008 (received 23 July 2008) and shall be seeded and maintained to a good amenity standard, including regular weeding for the duration of operations, until the soils are re-spread during final restoration of the site.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

D2 The existing plant tunnel through the plant site screening bund and access gate levels shall be maintained to mitigate against the impacts of any flooding throughout the duration of extraction and processing operations.

Reason: To minimise the risk of increased flooding to other land/properties due to impedance of flood flows and reduction of flood storage capacity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 22, Huntingdonshire Local Plan (May 2019) policy LP5 and South Cambridgeshire Local Plan (September 2018) policy CC/9.

D3 The height of the sand hydrocyclones shall not exceed a height of 15.5 metres above base level.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

D4 Dust emissions shall be controlled with facilities being made available and brought into use to ensure that the surface of the vehicle circulation routes in the Plant Site are kept damp during periods of dry weather.

Reason: To minimise the impact of dust on the human and natural environments in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/14.

D5 The maximum height of surge pile conveyor structure shall not exceed 21 metres above base level. The conveyor discharge point shall be fitted with arrangements to minimise the risk of windblown material being deposited outside of the Plant Site.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

D6 No stockpile shall exceed 10 metres above base level or the height of the screening bund referred to in condition D1, whichever is the lower.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2011) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

D7 There shall be no storage of imported, as-raised or processed sand and gravel outside the Plant Site.

Reason: In the interests of visual amenity and to prevent reduction of flood storage capacity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17 and Policy 22, Huntingdonshire Local Plan (May 2019) policies LP5 and LP10 and South Cambridgeshire Local Plan (September 2018) policies NH/2 and CC/9.

D8 A wheel cleaning facility shall be provided and maintained in working order and internal traffic arrangements shall ensure that all HCVs leaving the site pass through the wheel cleaning facility.

Reason: In the interests of amenity and highway safety in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23.

D9 The noise attenuation measures set out in ARC Central letter dated 16 August 1995 and approved by the mineral planning authority on 18 September 1995 shall be maintained for the duration of mineral washing and screening operations.

Reason: To minimise disturbance from noise in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/10.

D10 No external lights other than those shown on drawing no. O2/628 Lighting & screen bank plan Condition D11 & D13 dated July 2008 and the photographic record Needingworth Quarry Plant Site – Lighting Details re Condition D13 (received 23 July 2008) shall be erected in the Plant Site.

Reason: To minimise the risk of light pollution in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/9.

E. Visitor Vehicular Access and Visitor Area

[no longer needed – visitor access and car park developed by RSPB off Shelford Road, planning permission S/0065/19/CM]

Date: 29 April 2024 Signed:

F. Conveyor Bridge over River Great Ouse

Conditions F1 – F5 relate only to the Conveyor crossing bridge shown on drawing no. O2fc/256 Conveyor crossing bridge dated Mar. 1998 (the Conveyor Crossing Bridge)

F1 The Conveyor Crossing Bridge shall be maintained in accordance with drawing no. O2fc/256 Conveyor crossing bridge dated Mar. 1998 (received 22 June 1999).

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

F2 No new conveyor acoustic warning systems shall be installed except in accordance with details that have been agreed by the mineral planning authority in writing.

Reason: In the interests of recreational amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23, Huntingdonshire Local Plan (May 2019) policy LP3 and South Cambridgeshire Local Plan (September 2018) policy NH/6.

F3 The Conveyor Crossing Bridge and hand rails shall be painted BS4800 “Moorland Green” 12B21 or a similar subdued shade for the duration of quarry operations except where necessary for safety purposes.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

F4 No floodlighting shall be erected on the Conveyor Crossing Bridge.

Reason: To minimise the risk of light pollution in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/9.

F5 The conveyor covers shall not be left open whilst in use. Any accidental spillage removed from the structure shall not be deposited either in the river or on the barrier banks but shall be returned to the processing plant or extraction area.

Reason: In the interests of recreational amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23, Huntingdonshire Local Plan (May 2019) policy LP3 and South Cambridgeshire Local Plan (September 2018) policy NH/6.

Date: 29 April 2024 Signed:

G. River Water Intake Works

Condition G1 relates only to the works described in paragraphs 8.1.4 and 8.2 of the Supporting Statement for planning application H/0901/99/CM & S/1020/99/CM dated June 1999.

G1 Prior to the construction of the water intake works, schemes to address the following matters shall be submitted to and approved in writing by the mineral planning authority:

(a) The location, elevations and materials/colour of the works and associated control mechanisms;

(b) Method and duration of temporary access to facilitate construction; and

(c) Arrangements for access for maintenance purposes.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

H. Extraction and Restoration Over/Willingham

Conditions H1 – H15 relate only to that part of the application site within the parishes of Over and Willingham east of the River Great Ouse (Area H).

H1 The long-term soil storage bunds to the south of Cuckoo Drove shown as Subsoil store and Topsoil store on drawing no. O2fc/251a Year 1 Stripping and Placement dated Mar. 1998 (received 6 April 1998) shall be maintained and shall not be removed in whole or in part except when used in the restoration of Phase 25.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

H2 Vehicular access to the site for employees' vehicles, maintenance visits and periodic deliveries of fuel shall only be gained via the existing quarry access shown on drawing no. LD78-NW-004 Revised Phasing of Working dated Dec 2018 (received 20 May 2019) between Shelfords Road and the former Lockspits Farm within Phase 14.

Reason: In the interests of residential amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 23.

H3 Details of the restoration of the margins and bank profiles for the wetland habitat and perimeter canal shall be submitted to and approved by the mineral planning authority prior to the formation of the lakes. No hides or related visitor infrastructure shall be installed except in accordance with details which have been submitted to and approved in writing by the mineral planning authority.

Reason: To ensure the restoration of the site to a beneficial after-use in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19 and Policy 20, Huntingdonshire Local Plan (May 2019) policy LP30 and South Cambridgeshire Local Plan (September 2018) policy NH/4.

H4 There shall be no importation of engineering fill material to the site to facilitate restoration.

Reason: It is not necessary for the restoration of the site to a beneficial after-use in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy19.

H5 Soil stripping and restoration earth moving operations within 500 metres of a property used for residential purposes shall be temporarily suspended if wind speeds towards the property exceed 16 knots.

Reason: To minimise the impact of dust in the interests of residential amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/14.

H6 Prior to each earth moving operation to open up a new extraction phase, a detailed phased scheme of operations encompassing earth moving operations, extraction, conveyor routes, noise attenuation bank construction, location of pumping apparatus, conditioning of engineering materials, construction of perimeter seals, perimeter canal, distribution waterways and control mechanisms, arrangements for dealing with surface water drainage, and proposed phased new landscaping works shall be submitted to and approved in writing by the mineral planning authority. The approved scheme shall be implemented in accordance with the approved scheme and any new planting that is removed, dies or becomes diseased within 5 years of initial planting shall be replaced to the satisfaction of the mineral planning authority.

Reason: To ensure that the development progresses in a satisfactory manner in accordance with good practice and to safeguard the restoration of the site to a beneficial after-use in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19 and Policy 20, Huntingdonshire Local Plan (May 2019) policy LP30 and South Cambridgeshire Local Plan (September 2018) policy NH/4.

Date: 29 April 2024 Signed:

H7 The operator shall give at least 7 days' notice to the mineral planning authority prior to the commencement of topsoil and subsoil stripping from any part of Area H. Topsoil and subsoil stripping shall only be carried out when the full depth of the soil to be stripped or otherwise handled is in a suitably dry moisture condition.

Reason: To maintain the quality of the soils so that they are suitable for use in restoration of the site in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 24.

H8 With the exception of an approved internal haul route for earth moving machinery from the B1050, plant and vehicles shall not cross the areas of unstripped topsoil and subsoil except for the purposes of soil stripping or replacement operations.
Reason: To maintain the quality of the soils so that they are suitable for use in restoration of the site in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 24.

H9 There shall be no erection of surface floodlighting within Area H.

Reason: To minimise the risk of light pollution in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/9.

H10 Any fuel storage facilities provided on site shall be located within an impervious bunded area of 110% capacity of the tank and associated pipework.

Reason: To minimise the risk of pollution to land and water in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 22, Huntingdonshire Local Plan (May 2019) policy LP37 and South Cambridgeshire Local Plan (September 2018) policy CC/7.

H11 The excavator to be used for extraction shall not exceed a noise level of 80dB(A) sound pressure level measured at a point 10 metres from the machine.

Reason: To minimise disturbance from noise in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/10.

H12 No additional acoustic warning device shall be fitted to the conveyor system except in accordance with details that have been submitted to and approved by the mineral planning authority in writing.

Reason: To minimise disturbance from noise in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 18, Huntingdonshire Local Plan (May 2019) policy LP14 and South Cambridgeshire Local Plan (September 2018) policy SC/10.

Date: 29 April 2024 Signed:

H13 There shall be no storage of as-raised sand and gravel in stockpiles within Area H except at the feed hopper for the field conveyor. Such stock pile shall not exceed a height of 7 metres.

Reason: In the interests of visual amenity in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 17, Huntingdonshire Local Plan (May 2019) policy LP10 and South Cambridgeshire Local Plan (September 2018) policy NH/2.

Conditions H14 and H15 relate to the restoration of the Phase 16 land, to the east of proposed reedbed cell 13, shown on drawing no. LD78-NW-001b Revised restoration scheme dated May 2020 (received 6 July 2021) as Agricultural land, restored using best and most versatile topsoil and subsoil (the Agricultural Land)

H14 No soil shall be stripped from the Agricultural Land except in accordance with a scheme which has been submitted to and approved in writing by the mineral planning authority. The scheme shall include:

i) the depth of topsoil and subsoil to be stripped;
ii) the sequence of soil stripping; and
iii) the location and dimension of storage bunds.

Topsoil shall first be stripped from any subsoil storage areas. The soil storage bunds shall be seeded during the next available sowing season following their construction. The soil storage bunds shall be kept free of weeds and maintained to a good amenity standard until the soil is re-spread over the site in accordance with the restoration scheme referred to in condition H15. No stored topsoil and subsoil shall be removed from the Agricultural Land.

Reason: To maintain the quality of the soils so that they are suitable for use in restoration of the site in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 24.

H15 No soil shall be replaced within the Agricultural Land until a detailed restoration scheme and a 5-year aftercare strategy for the Agricultural Land has been submitted to and approved in writing by the mineral planning authority. The aftercare strategy shall specify steps that will be undertaken to bring the Agricultural Land to an appropriate standard for agricultural afteruse in accordance with paragraph 3(1) of Schedule 5 of the Town and Country Planning Act 1990. The aftercare strategy shall include soil analysis, subsoiling, land drainage, fertiliser, lime and other nutrients required, method of promoting the establishment of grass and trees, weed control, the keeping of records, an annual review of performance with the mineral planning authority and any other steps as may be deemed appropriate. The approved restoration scheme and aftercare strategy shall be implemented in full.

Reason: To ensure the restoration of the land to agricultural after-use in accordance with Cambridgeshire and Peterborough Minerals and Waste Local Plan (July 2021) Policy 19 and Policy 24.

Compliance with paragraph 38 of the National Planning Policy Framework (December 2023)

The mineral planning authority has worked with statutory consultees, the mineral operator and the RSPB (who are responsible for the development and management of the restored quarry as wetland habitat) to ensure that the new conditions will satisfactorily control the remainder of the development and meet the tests set out in NPPF paragraph 56. Where appropriate, matters that were formerly part of the 2001 S106 agreement have been transferred to conditions.

It is considered that the continued working of the quarry, which makes a significant contribution to the sand and gravel produced in Cambridgeshire, is economically beneficial to the area. It is considered that the progressive restoration of the quarried land to wetland habitat with managed public access improves the social and environmental conditions of the area.

Notes

1. If the applicant is aggrieved by the decision of the Local Planning Authority to refuse permission or approval for the proposed development, or to grant permission or approval subject to conditions, he/she may appeal to the Secretary of State for Levelling Up, Housing and Communities in accordance with Section 78 of the Town and Country Planning Act 1990 within **six months** of this notice. Appeals must be made on a form which is available from The Planning Inspectorate, Room 3/13, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN. Appeals can also be submitted online by visiting www.gov.uk and searching for "Appeal a Planning Decision". The Secretary of State has power to allow a longer period for a notice of appeal, but he/she will not normally be prepared to exercise this power unless there are special circumstances, which excuse the delay in giving notice of appeal. The Secretary of State is not required to entertain an appeal if it appears to him/her that permission for the proposed development could not have been granted by the Local Planning Authority or could not have been granted otherwise than subject to the conditions imposed by them, having regard to the statutory requirements, to the provisions of the development order, and to any directions given under the development order.

2. If permission to develop land is refused or granted subject to conditions, whether by the Local Planning Authority or by the Secretary of State for Levelling Up, Housing and Communities and the owner of the land claims that the land has become incapable of reasonably beneficial use in its existing state and cannot be rendered capable of reasonably beneficial use by the carrying out of any development which has been or would be permitted, he/she may serve on the County/District Council in which the land is situated a purchase notice requiring that Council to purchase his/her interest in the land in accordance with the provisions of Part VI of the Town and Country Planning Act 1990.

3. In certain circumstances, a claim may be made against the Local Planning Authority for compensation, where permission is refused or granted subject to conditions by the Secretary of State on appeal or on a reference of the application to him/her. The circumstances in which such compensation is payable are set out in Section 114 of the Town and Country Planning Act 1990.

Date: 29 April 2024 Signed:

Tim Watkins, Head of Service, Planning and Sustainable Growth, Cambridgeshire County Council, New Shire Hall, Emery Crescent, Enterprise Campus, Alconbury Weald, PE28 4YE

APPENDIX 2

Application Pro Forma

A The basics

A1 Name and address of the installation (not required for mobile plant)

NEEDINGWORTH QUARRY, BLUNTISHAM ROAD, NEEDINGWORTH
ST IVES, CAMBS

Postcode PE27 4TA Telephone

A2 Details of any existing environmental permit or consent *(for waste operations, include planning permission for the site, plus established use certificates, a certificate of lawful existing use, or evidence why the General Permitted Development Order applies.*

CONDITION A9 OF CONSENT REF H/5006/19/CM DATED 29 APRIL 2024 PROVIDES GPDO PROVISIONS.
SITE BENEFITS FROM MINO WASTE PERMIT WITH EA REF EPR/RP3592EB

A3 Operator details *(The 'operator' = the person who it is proposed will have control over the installation in accordance with the permit (if granted).)*

Name: PONOMA QUARRIES LIMITED

Trading name, if different:

Registered office address: COLEMANS FARM, LITTLE BRAXTED LANE, RIVENHALL, ESSEX, CM8 3EX

Principal office address, if different: MEDIA HOUSE, THRESHFIELDS BUSINESS PARK, FEERING, ESSEX, CO5 9SE

Company registration number: 1551683 4

A4 Any holding company?

Is the operator a subsidiary of a holding company within the meaning of section 1159 of the Companies Act 2006? If "yes" please fill in details of the ultimate holding company.

No ☐ Yes ☑

Name:	BRICE AGGREGATES LIMITED
Trading name, if different:	
Registered office address:	SEE A3
Principal office address, if different:	SEE A3
Company registration number:	08443424

A5 Who can we contact about your application? *It will help to have someone who we can contact directly with any questions about your application. The person you name should have the authority to act on behalf of the operator - This can be an agent or consultant.*

Name and position:	MR DANIEL WALKER, AGENT FOR OPERATOR
Telephone:	01246 431 743/07771995707
Email:	daned@walker.uk

B The installation

B1 Does the installation have any silos with capacity more than 500 tonnes?

☐ Yes ☑ No

B2 Are you a cement or cement clinker importer?

☐ Yes ☑ No

If you have answered 'yes' to either B1 or B2 the installation is not suitable for a simple permit.

B3 Are you a concrete batcher?

☑ Yes ☐ No

B4 Do you cast products?

☐ Yes ☑ No

B5 Why is the application being made?

☑ new installation

☐ change to existing installation means it now needs a permit

B6 Site maps – please provide:

- **A location map with a red line round the boundary of the installation**

Document reference: LD178-NN-005

- **A site plan or plans showing where all the relevant activities are on site:**

a) where the processing plant will be installed

b) the areas and buildings/structures designated for materials and waste storage and the type of storage

c) the conveyors and transfer points

d) any directly associated activities or waste operations.

To save applying for permit variations, you can also show where on site you might want to use for storage etc in the future.

Document reference: LD178-NN-005

B7 Are there any sites of special scientific interest (SSSIs) or European protected sites nearer than any of the following distances to the proposed installation?

- 1km - where the installation involves mineral or cement and lime activities

☐ Yes ☑ No

If yes, is the installation likely to have a significant effect on the special scientific interest or European protected sites?

☐ Yes ☑ No

If yes, please write on a separate sheet or enclose a relevant document explaining what the implications are for the purposes of the Conservation (Natural Habitats etc) Regulations 1994 (see appendix 2 of Annex XVII of the general guidance manual)

Document Reference: N/A

B8 Will emissions from the activity potentially have significant environmental effects (including nuisance)?

☐ Yes ☑ No

If yes, please list the potential significant local environmental effects (including nuisance) of the foreseeable emissions on a separate document.

Document Reference: N/A

If yes, please enclose a copy of any environmental impact assessment which has been carried out for the installation under planning legislation or for any other purpose.

Document Reference: N/A

C The details

C1 Does your installation have arrestment equipment, with external discharge points, not serving silos or dryers with an airflow of: *(Tick all that apply)*

a) over 300m^3/minute: ☐ Yes ☐ No

b) under 300m^3/minute and over 100m^3/minute: ☐ Yes ☐ No

c) under 100 m^3/minute: ☑ Yes ☐ No

C2 Do you have continuous monitors to show compliance with a numerical limit in Table 1 of the simple permit? *[informs condition 2]*

☐ Yes ☐ No

If yes, do the continuous monitors have alarms which are: *(tick all that apply)* *[informs condition 2]*

a) visible? ☑ Yes ☐ No

b) audible? ☑ Yes ☐ No

c) alarm activation recorded automatically? ☐ Yes ☐ No

d) is a trigger level set? ☐ Yes ☐ No

At what percentage of the emission limit is the value set? .....%

Have you undertaken isokinetic sampling at least once to demonstrate compliance with the numerical limit in Table 1?

☐ Yes ☑ No

C3 Is odour arrestment equipment installed? *[informs condition 3]*

☐ Yes ☑ No

C4 Do you have pneumatic transfer of materials? *[informs condition 8]*

☐ Yes ☑ No

C5 Which of the following will the bulk cement be stored in: *(tick all that apply)* *[informs condition 4]*

a) silo? ☑ Yes ☐ No

b) bulk storage tank? ☐ Yes ☑ No

c) within a building? ☐ Yes ☑ No

d) in fully-enclosed containers/packaging? ☐ Yes ☑ No

e) other - please specify_____

C6 Will displaced air from pneumatic loading and unloading be: *(tick all that apply)* *[informs condition 8]*

a) vented to arrestment plant ☑ Yes ☐ No

b) back-vented to the delivery tanker ☐ Yes ☑ No

c) other - please specify_____

C7 Do deliveries automatically stop for *[informs condition 6]*

a) over-filling ☑ Yes ☐ No

b) over-pressurisation ☑ Yes ☐ No

C8 Does pneumatic transfer automatically stop for *[informs condition 5]*

a) over-filling ☑ Yes ☐ No

b) over-pressurisation ☑ Yes ☐ No

If no, are any silos new since Jun 2004? *[informs condition 7]*

☑ Yes ☐ No

C9 Do you have alarms to warn of overfilling? *[informs condition 6]*

☑ Yes ☐ No

C10 For materials not dealt with in C4, what facilities will be provided to store any dusty material and waste? *(tick all that apply)* *[informs condition 9]*

a) hopper wind-protected on at least 3 sides ☑

b) storage bay without suppression and stockpiles kept lower than the retaining walls ☑

c) storage bay with suppression ☐

d) fully-enclosed stores ☐

e) other - please specify ☐

C11 Will any material be stored in the open (unenclosed) other than material wholly comprised of one or more of the following: >3mm material, sand, scalpings, road sub base (MOT) material that has been conditioned before deposit, conditioned crusher-run or blended material? *[informs condition 9]*

☐ Yes ☑ No

C12 Do you have belt conveyors: *[informs condition 10]*

☐ Yes ☑ No

If yes, which of the following facilities will be provided to convey any dusty material and waste *(tick all that apply)* *[informs condition 10]*

a) deep trough ground-level conveyor ☐

b) fully-enclosed conveyor ☐

c) pneumatic handling system ☐

d) bucket elevator ☐

e) wind boards ☐

f) other – please specify N/A

C13 Which of the following methods will be used to minimise emissions at belt conveyor transfer points, including free fall of material? *(tick all that apply)* *[informs condition 10]*

a) enclosed ☑

b) enclosed and ducted to arrestment equipment ☐

c) fitted with a chute ☐

d) other - please specify

C14 Which of the following techniques will be used to clean belt conveyors *(tick all that apply)* *[informs condition 10]*

a) belt scrapers ☐

b) catch plates ☐

c) other techniques for keeping the return belt clean and collecting the material removed by the cleaning – *please specify*

ENCLOSED SKIP BIN

C15 How will potentially dusty materials (including any raw materials, finished products and waste), arrive at or leave the site? *(tick all that apply)* *[informs Condition 11]*

	Raw Materials	Finished Products	Waste
Road	✓	✓	✓
Rail			
Other			

C16 How will potentially dusty materials, (including any raw material, finished products and waste) be transported within the site
(tick all that apply) *[informs BAT]*

a) tanker ☑
b) fully-enclosed transport ☐
c) 'canopied' rail wagons ☐
d) sheeted transport ☑
e) water suppression applied to the transported material ☑
f) aqueous polymer suppression applied to the transported material ☐
g) bagged ☐
h) other – please specify: LOADING SHOVEL

C17 Do you have any quarry roads as part of the installation?
[informs condition 12]

☑ Yes ☐ No

C18 Which techniques will you use to ensure that vehicles do not track material onto the highway? *[informs condition 13]*

a) body and wheel wash ☐ Yes ☐ No
b) wheel wash ☐ Yes ☐ No
c) hose and brush ☐ Yes ☑ No
d) sufficient distant to the site boundary on sealed road before leaving site
☑ Yes ☐ No
e) Other, *please describe*: _____

C19 Do you have environmental management procedures and policy?
[informs condition 3, 15 & 16]

☑ Yes ☐ No

D Anything else

Please tell us anything else you would like us to take account of.

Document Reference: _____

E Application fee

You must enclose the relevant fee with your application.

If your application is successful you will also have to pay an annual subsistence charge, so please say who you want invoices to be sent to.

F Protection of information

F1 Any confidential or national security info in your application?

If there is any information in your application you think should be kept off the public register for confidentiality or national security reasons, please say what and why. General guidance manual chapter 8 advises on what may be excluded. (*Do not include any national security information in your application. Send it, plus the omitted information, to the Secretary of State or Welsh Ministers who will decide what, if anything, can be made public.)*

Document Reference : _____

F2 Please note: data protection

The information you give will be used by the Council to process your application. It will be placed on the relevant public register and used to monitor compliance with the permit conditions. We may also use and or disclose any of the information you give us in order to:

- consult with the public, public bodies and other organisations,
- carry out statistical analysis, research and development on environmental issues,
- provide public register information to enquirers,
- make sure you keep to the conditions of your permit and deal with any matters relating to your permit
- investigate possible breaches of environmental law and take any resulting action,
- prevent breaches of environmental law,
- offer you documents or services relating to environmental matters,
- respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data Protection Act allows)
- assess customer service satisfaction and improve our service.

We may pass on the information to agents/representatives who we ask to do any of these things on our behalf.

F3 Please note: it is an offence to provide false etc information

It is an offence under regulation 38 of the EP Regulations, for the purpose of obtaining a permit (for yourself or anyone else), to:

- make a false statement which you know to be false or misleading in a material particular,
- recklessly make a statement which is false or misleading in a material particular
- intentionally to make a false entry in any record required to be kept under any environmental permit condition
- with intent to deceive, to forge or use a document issued or required for any purpose under any environmental permit condition.

If you make a false statement

- we may prosecute you, and
- if you are convicted, you are liable to a fine or imprisonment (or both).

H Declarations A and B for signing, please

These declarations should be signed by the person listed in answer to question A3. Where more than one person is identified as the operator, all should sign. Where a company or other body corporate is the operator, an authorised person should sign and provide evidence of authority from the board.

Declaration A: I/We certify

EITHER – As evidence of my/our competence to operate this installation in accordance with the EP Regulations, no offences have been committed in the previous five years relating to the environment or environmental regulation.

OR- [redacted]

Signature: _____ Name: Oliver Brice

Position: Managing Director Date: 08/04/2025

Declaration B: I/We certify that the information in this application is correct. I/We apply for a permit in respect of the particulars described in this application (including the listed supporting documentation) I/we have supplied. *(Please note that each individual operator must sign the declaration themselves, even if an agent is acting on their behalf.)*

Signature: _____ Name: Oliver Brice

Position: Managing Director Date: 08/04/2025

Signature: _____ Name: _____

Position: _____ Date: _____

APPENDIX 3

Plant Elevations

Maximale Bodenpressung ist mit 300 kN/m² angenommen. Die komplette Stellfläche darf einen max. Höhenunterschied von ±10mm nicht überschreiten. Diese Annahme ist auf der Baustelle vom verantwortlichen Bauleiter zu überprüfen.

Maximum bearing load is assumed to be 300 kN/m²
The complete utility space may not exceed the max. difference in height of ±10mm
This assumption is to be checked on site by the competent site supervisor

La resistance minimal du sol admissible est de 300KN/m². La verification de ces contraintes de resistance au sol est a la charge du client.
Pour la mise en place des differents elements sur cadre, la surface de pose doit etre plane avec l'apport de gravillons concasses sur une couche de 10mm, prestation a la charge du client.
La rampe pour acceder avec les betonnieres portees sous le point de chargement de la centrale est a la charge du client.

Die Stützen sind im Bereich der Fahrwege gegen das Anfahren von Fahrzeugen zu schützen.

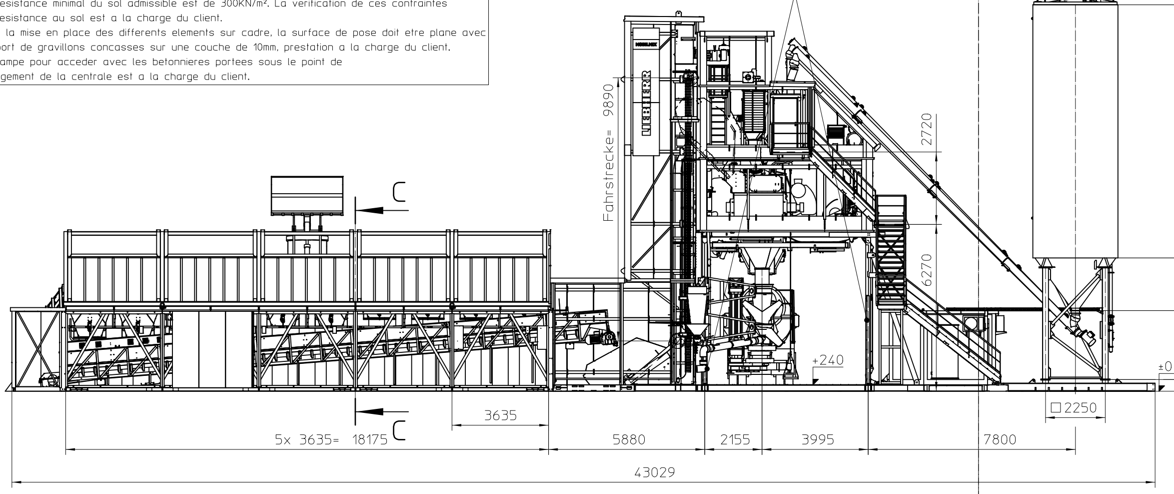
protect supports against vehicle impact in vehicle movement/road areas

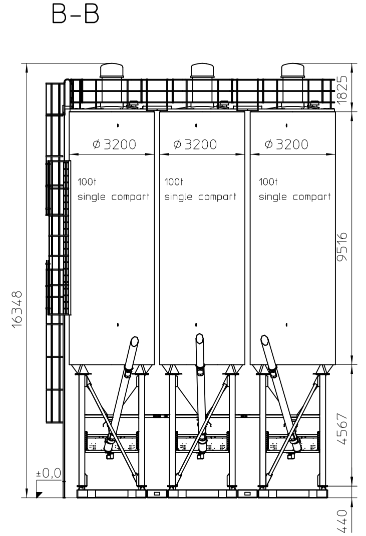
Les supports sont dans la zone des allées contre les véhicules percutés protéger.

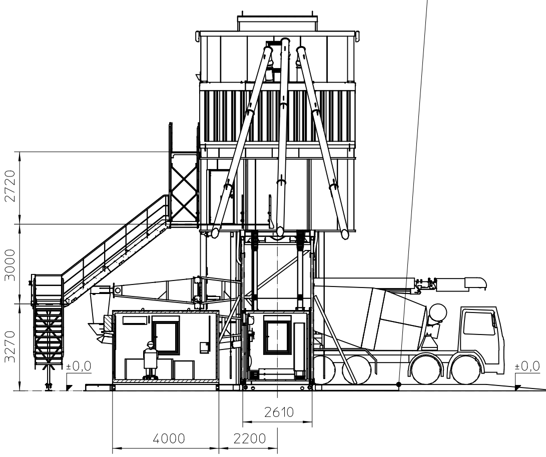
bauseitige Anpassung des Höhenniveaus in der Fahrspur auf +240 notwendig!

On-site adjustment of the height level in the lane to +240 necessary!

Ajustement sur place du niveau de hauteur dans la voie à +240 nécessaire !



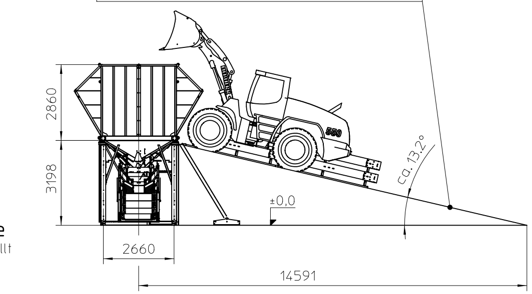




Die Steigung der Rampe ist nur ein Vorschlag von Liebherr, und ist an die bauseits vorhandenen Fahrzeuge anzupassen.

The incline of the ramp is just a suggestion from Liebherr and must be adapted to the vehicles on site.

L'inclinaison de la rampe n'est qu'une suggestion de Liebherr et doit être adaptée aux véhicules sur place.



Erdung:
Fundamenterder mit Anschlussfahne ca. 1,5m lang, wird benötigt an jedem Zementsilo, Reihensilo und Anlage.
Ein korrekter Anschluß der Erdung ist bauseits auszuführen!

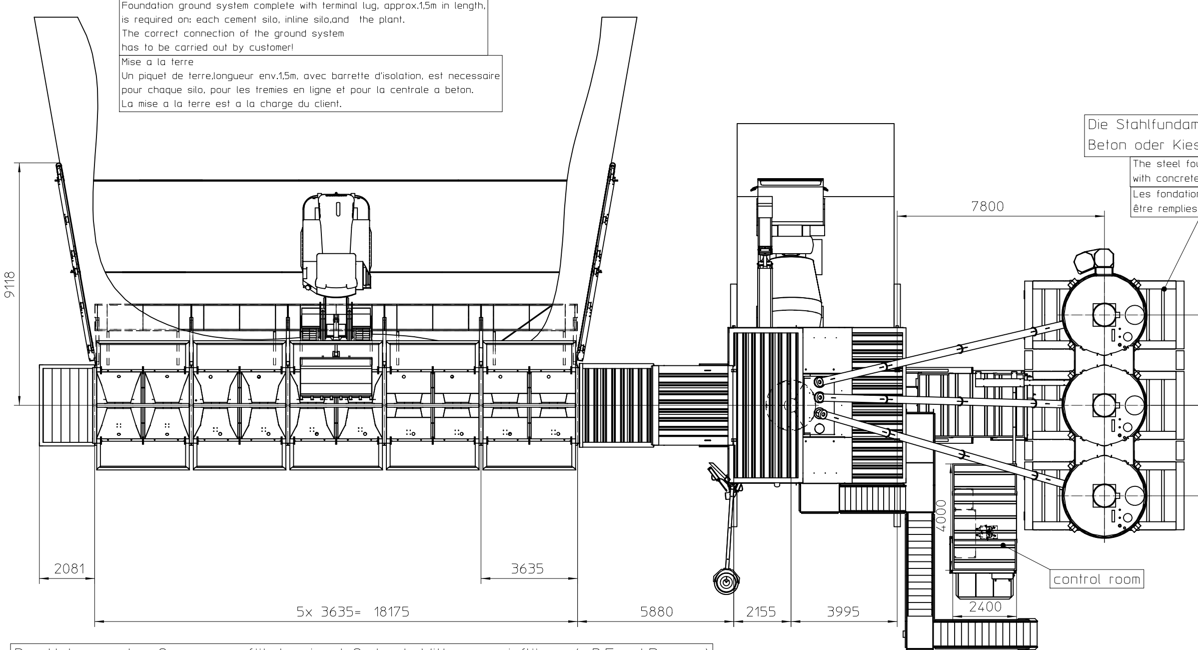
Grounding:
Foundation ground system complete with terminal lug, approx.1,5m in length, is required on: each cement silo, inline silo,and the plant.
The correct connection of the ground system has to be carried out by customer!

Mise a la terre
Un piquet de terre,longueur env.1,5m, avec barrette d'isolation, est necessaire pour chaque silo, pour les tremies en ligne et pour la centrale a beton.
La mise a la terre est a la charge du client.

Die Stahlfundamente müssen mit Beton oder Kies gefüllt werden.

The steel foundations must be filled with concrete or gravel.

Les fondations en acier doivent être remplies de béton ou de gravier.



Ansicht Medienanschlüsse

Anschlüsse vom Kunden bereitgestellt
Media connections view,
connections provided by customer
Vue des connexions média,
connexions fournies par le client

Abfluss Grauwasser Mischerbühne, +1000mm

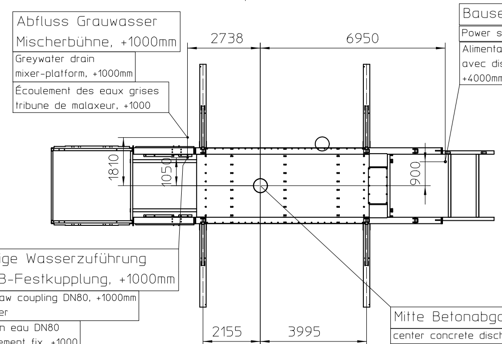
Greywater drain mixer-platform, +1000mm

Écoulement des eaux grises tribune de malaxeur, +1000

Bauseitige Stromzuführung, +4000mm

Power supply to be provided by customers, +4000mm

Alimentation electrique de notre installation avec disjoncteur differentiel et stabilise a votre charge. +4000mm



Bauseitige Wasserzuführung DN 80 B-Festkupplung, +1000mm

B-Storz claw coupling DN80, +1000mm by customer

Raccord en eau DN80 B-accouplement fix, +1000

Mitte Betonabgabe

center concrete discharge

centre de distribution du béton

106960116
LGB
Brice Aggregates

Der Untergrund muß so ausgeführt sein, daß durch Witterungseinflüsse (z.B.Frost,Regen...) Setzungen der Stahlfundamente nicht entstehen. Dies kann durch eine verdichtete, wasserdurchlässige Frostschutzschicht bis Frosttiefe (Kofferschicht) oder anderen gleichwertigen Tragschichten aus Beton, Pflaster oder Bitumen mit entsprechendem Unterbau auf Frosttiefe erreicht werden!

The supporting surface must be constructed such that there will be no occurence of substidence in the visible foundations due to weather conditions (e.g. frost,rain...) This can be achieved by means of a compacted, water-permeable antifrost protection layer down to frost depth (coffer layer) or other equivalent supporting layers made from concrete, paving, or bitumen complete with appropriate subbase down to frost depth.

Le sol doit etre prepare de sorte que les conditions meteorologiques (par example : gel,pluie) ne puissent pas conduire a un affaissement du skid (chassis d'appui au sol).
Ce sol prepare, parfaitement nivele doit repondre a une resistance minimale de 200KN/m^2,pour recevoir les differentes charges

Material			Weight (kg)	Surface	
General tolerances: ISO 2768-cL	Scale: 1:100	Units: mm	Projection	For the delivery of all items the newest documents apply. See guideline 10669780	Classification: 1214940100
LIEBHERR	Site: LMT	Format: A1	CONFIDENTIAL	Date	Name
			Created	25.02.2025	lmtbar0
Description: UEBERSICHT OVERVIEW			Technical reference: Bartsch, Reiner		
			Approval process (ECN)		
Extended Description & Drawing Index: M 2,5-A-R/DW			Sheet 1/1	Article Revision 00	2D CAD Version 00.3
Additional Description: GA 106960116 LGB BRICE AGGREGATES			Mixing Plants	Article: 14938598	

APPENDIX 4

Technical Brochure for Liebherr Mobilmix 2.5F

Rethinking mobility.

Thanks to the latest technologies, particularly sustainable and economical concrete production is possible with the Mobilmix from Liebherr in an unbeatably short time.

LIEBHERR

Mobilmix 2.5 – 4.0

Plug and play for the best concrete

The Mobilmix series – facts and figures

The latest generation of concrete batching plants from Liebherr is revolutionising the production of concrete by enabling economical production. The modular design of this generation offers a wide range of variants that can be flexibly customised to the needs of customers. This flexibility enables the quick and uncomplicated realisation of both stationary and mobile concrete batching plants.

An important innovation of the new Mobilmix is the smoothing of power peaks by up to 64 %. This is achieved through the use of LiPerformance process optimisation. This not only significantly reduces connection costs to the power grid, but also the operating costs for energy. As a positive side effect, wear is noticeably reduced thanks to the smooth starting and stopping of the drives.

The precise dosing of cement is another outstanding feature of Liebherr's new concrete batching plants. This allows more efficient use of resources, because up to 8 kg (17.5 lb) of cement can be saved in a typical formula with 300 kg (661 lb) of cement per cubic metre of concrete.

Increased output of up to 20 % is possible with the Liebherr control system and LiPerformance process optimisation. Optimised process times enable shorter mixing times.

Cleanliness and convenience reach a whole new level with the new cleaning solutions from Liebherr. With the LiClean cleaning solutions, various options are available for efficient plant cleaning – saving up to 70 % water and 80 % time. They also allow cleaning work to be carried out comfortably in large working areas and to the highest safety standards.

Assembly of the batching plant is extremely quick and cost-effective thanks to its folding concept and wiring carried out in the factory. No concrete foundation work is required for the Mobilmix. All that is needed is a level, load-bearing surface.

Furthermore, the new plant concept offers a wide range of customised and extensive equipment options that can further increase convenience and efficiency. A large working area over the individual operational levels makes daily work much easier.

5x

faster cleaning

With LiClean, cleaning times are significantly reduced and cleaning is five times faster. LiClean solutions include e.g. cleaning the mixer system and the feeding hoppers of the truck mixers.

1/3

With the intelligent mixing process control, the speeds of the mixing system can be individually adjusted according to the mixing progress. The mixing time can be reduced by up to 30 %.

LiPerformance process optimisation in conjunction with the Liebherr control system enables increased output rates of 10 to

20 %

compared to conventional* batching plants with the same mixer size (depending on the plant configuration).

9

days

until concrete production is possible under the right conditions! The new Mobilmix can be positioned quickly and easily thanks to its "folding concept". What's special about it: The entire plant stands on steel foundations and is already pre-wired in the factory – forming the basis for concrete production after nine days.

+/- 0,35 %

accuracy of cement

up to 8 kg (17.5 lb) of cement can be saved in a typical formula with 300 kg (661 lb) of cement per cubic metre of concrete.

*conventional batching plants without LiPerformance process optimisation

More precise. Faster. Genuinely sustainable.

3 Weighing platform

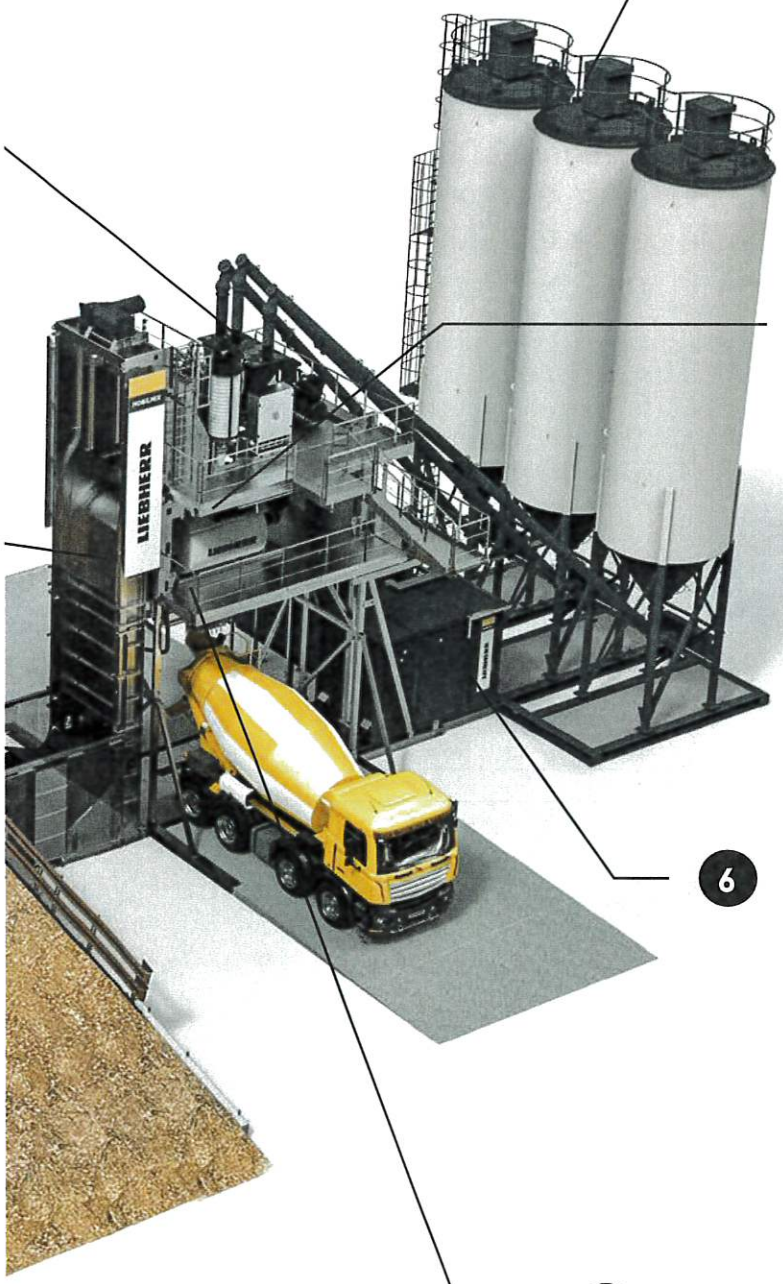
The weighing platform offers a high degree of flexibility and adaptability. It enables the integration of different scales, which can be comfortably tested for accuracy using checkweighing equipment. Optional ice weigher and microsilica scale can be integrated to satisfy special requirements for the concrete. The optional steel fibre dosing and the optional chain hoist are also located on the weighing platform.

2 Skip

We offer our vertical skip hoist for an optimum material flow. Thanks to the LiPerformance process optimisation and the parallel running surfaces, wear is not only significantly minimised, but also focused on readily replaceable plastic rollers.

1 Aggregate storage

Our mobile in-line silo offers a storage capacity of 140 m³ (183 yd³), optionally even as a tower silo with an impressive capacity of 600 m³ (785 yd³). The mobile in-line silo with hinged chamber walls and steel foundations consists of the upper and lower sections, which can be set up quickly and easily with two crane lifts. Once the chambers have been folded open, the mobile in-line silo can be assembled in just a few hours.



4 Cement silos

Depending on the configuration, the batching plant can be equipped with up to six cement silos. The silos are available in a variety of sizes and capacities of up to 120 tonnes. They are equipped with filters, sensors and an injection device to ensure an optimum work flow.

5 Mixer module

Our mixer systems, the twin-shaft mixers and ring-pan mixers, are the centrepiece of the batching plant. They are optimised for maximum output and mixing quality in conjunction with LiPerformance process optimisation. Furthermore, the LiClean high pressure cleaning system ensures a long system service life and cleanliness. In addition, ergonomic and safe working is guaranteed thanks to the generous workspace.

6 Technology and control container

The control system is the centre of the batching plant. It monitors, controls and coordinates all processes to ensure precise and economical concrete production. The system consists of the highly developed Litronic-MPS 3 control system, which enables comprehensive automation of the plant. When used in conjunction with LiPerformance process optimisation, increased output rates of 10-20 % are possible, depending on the plant configuration.

7 Concrete discharge

Our concrete delivery hopper can be equipped with various options, to ensure clean and precise concrete delivery. A truck mixer hopper cleaning system with drip guard (optional) prevents soiling, e.g. of the driver's cab or floor. Swivelling hoppers also enable delivery into trucks or trailers.

Unbeatable mobility

In the development of the new Mobilmix series from Liebherr, emphasis was placed on rapid assembly, a high degree of flexibility and sustainable concrete production. The Mobilmix is a genuine mobile miracle that can produce sustainable concrete in just nine days under the right conditions.

The steel foundation
Absolutely no concrete work is required for our Liebherr Mobilmix. Compacted soil of 300 kN/m² is the only prerequisite for producing concrete after just nine days.

The basic unit
The innovative folding concept, combined with wiring carried out in the factory, enables assembly in just nine days if the right conditions are met. Thanks to the design with a steel foundation, lateral supports and anti-slip plates, no concrete work is required.

The in-line silo
The mobile in-line silo with hinged chamber walls and steel foundations consists of the upper and lower sections, which are quickly and easily mounted with two crane lifts. Once the chambers have been folded open, the in-line silo can be assembled in a matter of hours.

The cement part
The mobile cement silos are simply mounted on the steel foundations. The cement screws are transported "in one piece" and mounted directly and simply to the inlet connection to the cement weigher on the construction site. This means that the complete cement part can be erected within a few hours.

Mobilmix double plant in Dresden (Germany)
The innovative double plant delivers up to 250 m³ (327 yd³) concrete per hour. Thanks to modern drive technologies, it significantly saves energy and cement. In this case, the double batching plant was ready for operation within three weeks of delivery. The entire process was completed to the full satisfaction of the customer.

Technology that makes the difference.

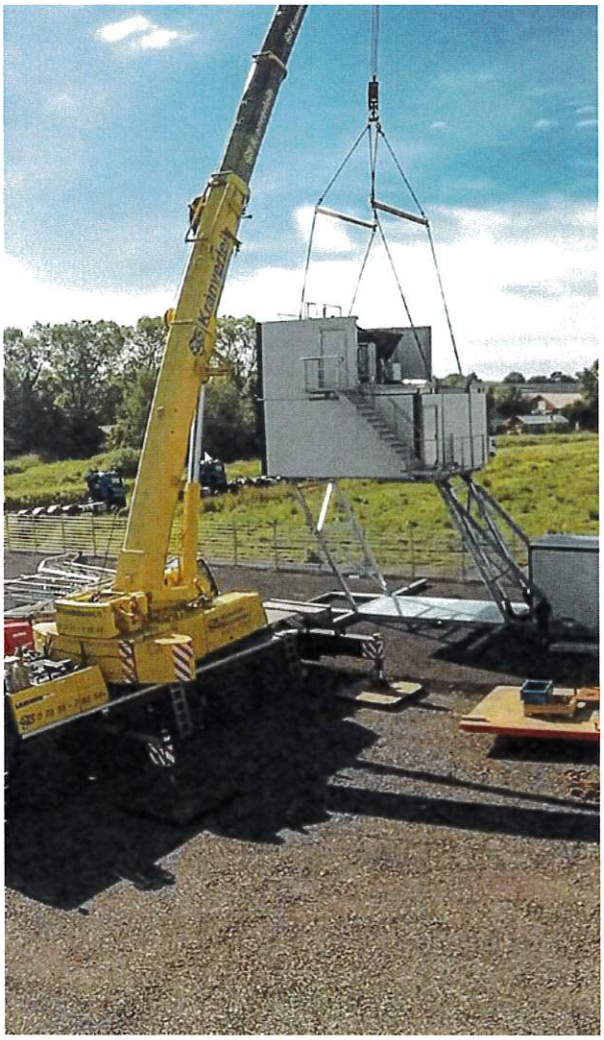
The new Mobilmix generation impresses with state-of-the-art technology: Thanks to unbeatable flexibility in the technical equipment and LiPerformance process optimisation, concrete production is also securely positioned for future challenges at any location.

Rapid delivery time

The Mobilmix can be delivered within a few weeks thanks to prefabricated modules, allowing efficient project planning.

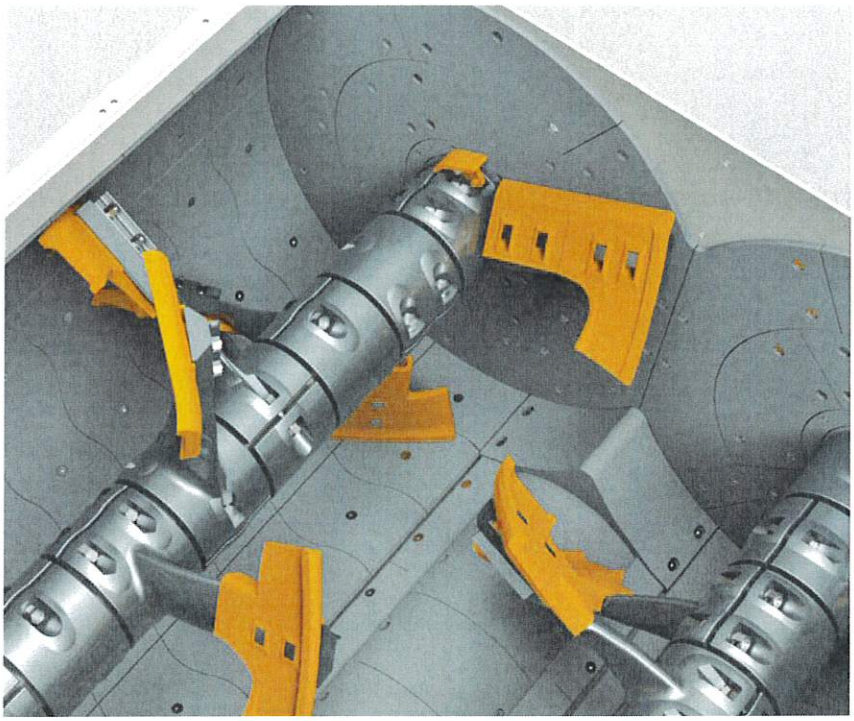
Economical transport

The Mobilmix transport units are optimised for road transport. As such, the plant can be moved quickly and economically from one construction site to the next.



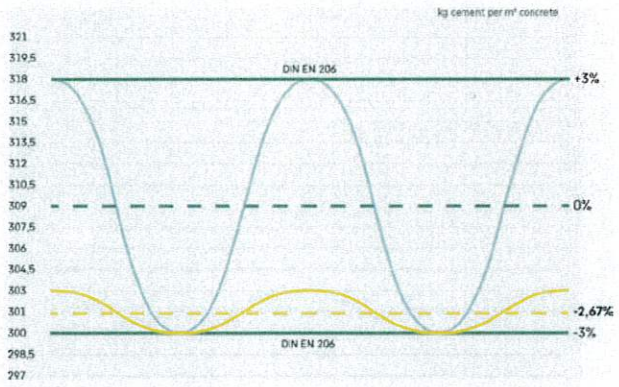
Quick assembly

The Mobilmix (on steel foundations) with the innovative folding concept and pre-wiring to the integrated technology container can be assembled on pre-compacted soil (300 kN/m²) in nine days if the right conditions are met.



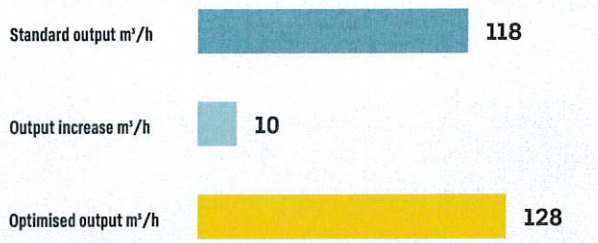
Intelligent mixing process

With the latest generation of Liebherr twin-shaft mixers and ring-pan mixers, the speeds of the drives can be adjusted individually and according to the progress of the mixing process. This means that mixing times can be reduced by up to 30 % for highly demanding formulas for state-of-the-art concretes.



Massive cement savings

Thanks to a dosing accuracy of +/- 1 kg (+/- 2.2 lb) with the new LiPerformance process optimisation, up to 8 kg (17.5 lb) of cement can be saved with a standard formula with a minimum cement content of 300 kg (661 lb). With concrete production of 50,000 m³ (65,400 yd³) per year, at least € 50,000 can be saved thanks to high-precision dosing.

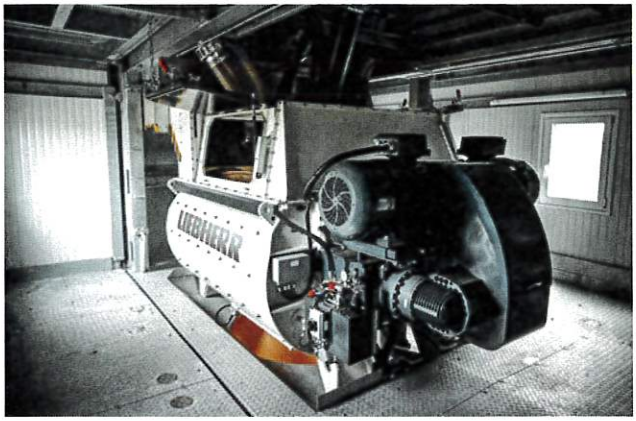


10 to 20 % higher output

With the latest LiPerformance process optimisation from Liebherr, all processes are optimally coordinated, resulting in 10 to 20 % higher output rates compared to standard mixing systems of the same size class.

Genuine energy efficiency

No more power or current peaks, almost no more costs incurred due to reactive current compensation and gentle operation due to the smooth start-up of all drives. Thanks to LiPerformance process optimisation the Mobilmix is equipped for a sustainable and competitive future.



Generous space conditions

All accessible areas of the entire batching plant are generously sized and offer sufficient space and easy access for maintenance and cleaning. Tools, spare parts and equipment can be stored at any time without compromising the working areas. The plant satisfies all applicable standards to ensure ergonomics and safety.

Profile

Liebherr-Mischtechnik GmbH

Established:
1954

Products:
Mobile and stationary batching plants
Truck mixers and conveyor belts for truck mixers
Control and measuring equipment
Residual concrete recycling systems
Concrete pumps

Did you know? To ensure unbeatable quality, the site has its own modern test technology centre with a concrete laboratory. All new products are tested and analysed here. Mixing tests with different materials or formulas are carried out on behalf of customers to satisfy the various requirements.

The new Mobilmix at a glance

Mobilmix

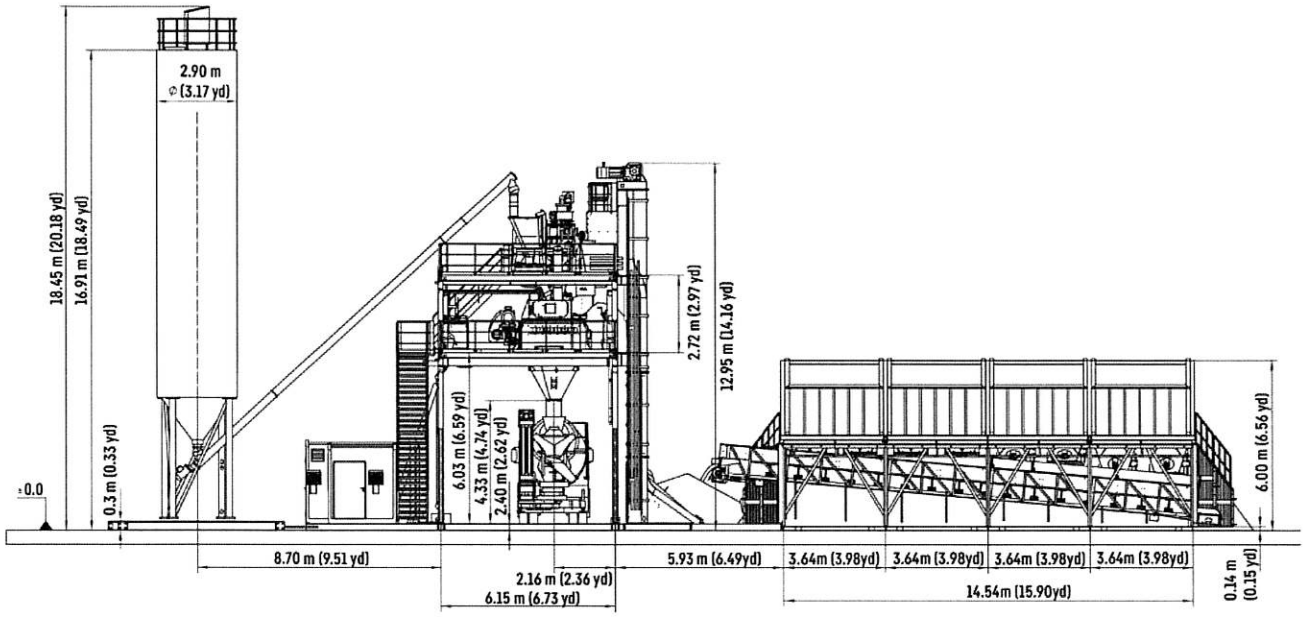
Type	2.5	3.0	3.5	4.0
Theoretical output rate in fresh concrete[1]	131 m³/h (171 yd³/h)	150 m³/h (196 yd³/h)	169* / 174** m³/h (221*/227** yd³/h)	188*/ 193** m³/h (245*/ 252** yd³/h)
Practical output rate in compacted fresh concrete[2]	105 m³/h (137 yd³/h)	120 m³/h (157 yd³/h)	135* / 139** m³/h (176*/181** yd³/h)	150* / 154** m³/h (196*/201** yd³/h)
Practical output rate in compacted fresh concrete[2] with LiPerformance***	115 m³/h (150 yd³/h)	132 m³/h (172 yd³/h)	148* / 152** m³/h (193* / 198** yd³/h)	165* / 170** m³/h (215* / 222** yd³/h)
Mixer size	2.5 m³ (3.3 yd³)	3.0 m³ (4.0 yd³)	3.5 m³ (4.5 yd³)	4.0 m³ (5.2 yd³)
Ring-pan mixer	✓	-	-	-
Twin-shaft mixer	✓	✓	✓	✓
Max. storage volume of aggregates in mobile in-line silo[3]	140 - 500 m³ (183 - 654 yd³)	140 - 500 m³ (183 - 654 yd³)	140 - 500 m³ (183 - 654 yd³)	140 - 500 m³ (183 - 654 yd³)
Max. storage volume of aggregates in tower silo[4]	400 - 600 m³ (523 - 785 yd³)	400 - 600 m³ (523 - 785 yd³)	400 - 600 m³ (523 - 785 yd³)	400 - 600 m³ (523 - 785 yd³)
Max. number of cement silos	6	6	6	6
Vertical skip hoist	✓	✓	✓	✓
Steel foundations	✓	✓	✓	✓
Litronic-MPS 3 control system	✓	✓	✓	✓

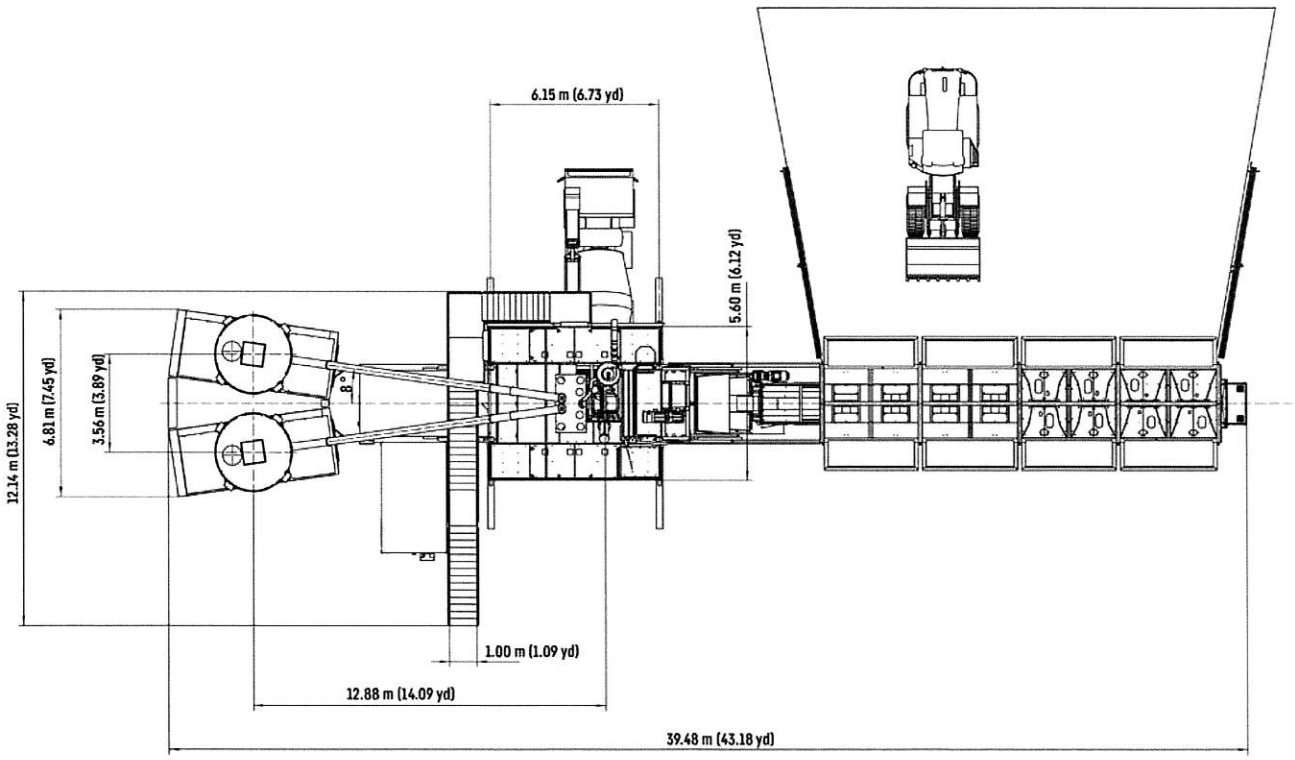
[1] Mixing time 30 sec, compression ratio = 1.25
[2] Mixing time 30 sec
[3] 4-6 chambers
[4] 4-8 chambers
* Truck mixer filling
** Truck filling
*** 10-20 % higher output depending on plant configuration only possible with Liebherr Litronic-MPS 3 control system

Equipment[1]

	Standard	Optional
LiPerformance process optimisation with Liebherr control system	✓	
Liebherr Litronic-MPS 3 control	✓	
Liebherr frequency converters for main drives	✓	
Microsilica scale, ice weigher		✓
LiClean mixer high-pressure cleaning system		✓
LiClean "creep speed" cleaning operation		✓
LiClean truck mixer feeding hopper cleaning		✓
Chain hoist with material hatches		✓
Steel fibre dosing		✓
Slewing hopper, drip protection for concrete discharge*		✓
Winter cladding		✓
Heating, cooling		✓

[1] More on request
* For truck loading or for collecting the cleaning water


2.90 m
Ø (3.17 yd)
18.45 m (20.18 yd)
16.91 m (18.49 yd)
0.3 m (0.33 yd)
±0.0
6.03 m (6.59 yd)
4.33 m (4.74 yd)
2.40 m (2.62 yd)
2.72 m (2.97 yd)
12.95 m (14.16 yd)
6.00 m (6.56 yd)
8.70 m (9.51 yd)
2.16 m (2.36 yd)
6.15 m (6.73 yd)
5.93 m (6.49yd)
3.64m (3.98yd)
3.64m (3.98yd)
3.64m (3.98yd)
3.64m (3.98yd)
14.54m (15.90yd)
0.14 m
(0.15 yd)


6.15 m (6.73 yd)
5.60 m (6.12 yd)
12.14 m (13.28 yd)
6.81 m (7.45 yd)
3.56 m (3.89 yd)
8°
1.00 m (1.09 yd)
12.88 m (14.09 yd)
39.48 m (43.18 yd)

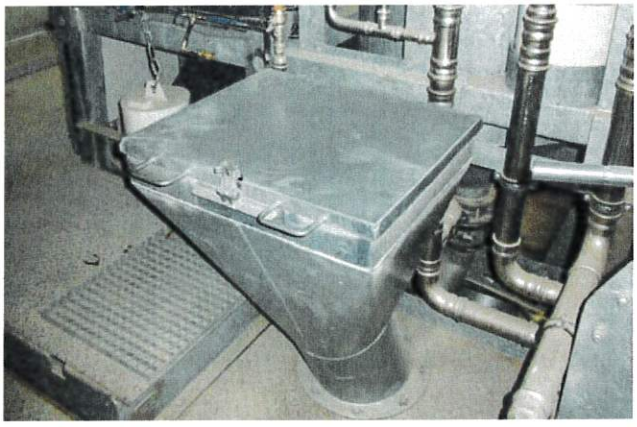
Even more options and benefits

The equipment options

The new Mobilmix allows a wide range of equipment options. All versions focus on maximum safety and unbeatable ease of use.

Litronic-MPS 3 control

The Liebherr control system offers a user-friendly interface for data input and process control. When used in conjunction with the new LiPerformance process optimisation, it enables a 10-20 % higher output.



Steel fibre dosing

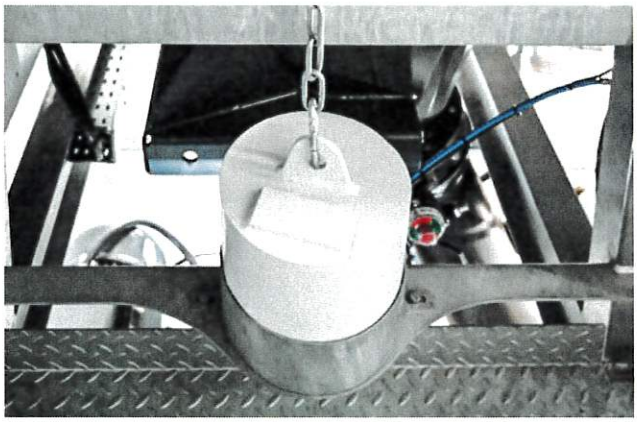
The arrangement of the optional steel fibre dosing on the weighing platform ensures reliable and convenient production of steel fibre concretes.

Winter cladding

The cladding can be fitted in no time. Once the platforms for the mixer and weighing platform have been assembled, the panelling half-shells are fitted and bolted in place. The ISO cladding is designed with a wall thickness of 60 mm.

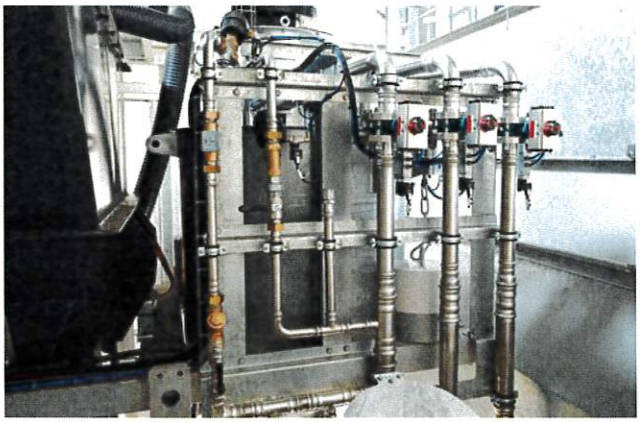
Chain hoist and hatches

Optional chain hoist and hatches for lifting heavy loads of up to 2,000 kg (4,409 lb) on Euro pallets (e.g. steel fibres, spare parts, tools).



Checkweighing equipment

Comfortable and safe testing of the scale function thanks to pneumatically operated checkweighing equipment.

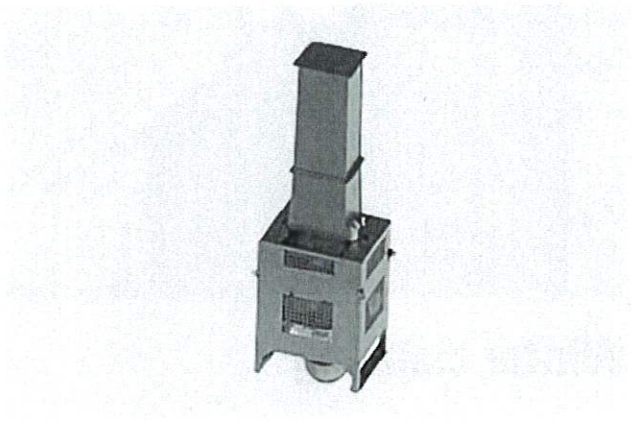


Additional connections

Extra pneumatic and water connections in all working areas (truck mixer area, mixer and weighing platform) for convenient working.

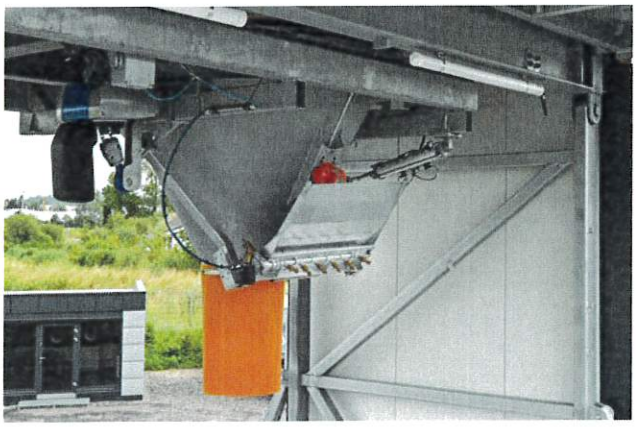
Heating

Heating the batching plant and in-line silo enables reliable concrete production in cold regions and during the winter months.



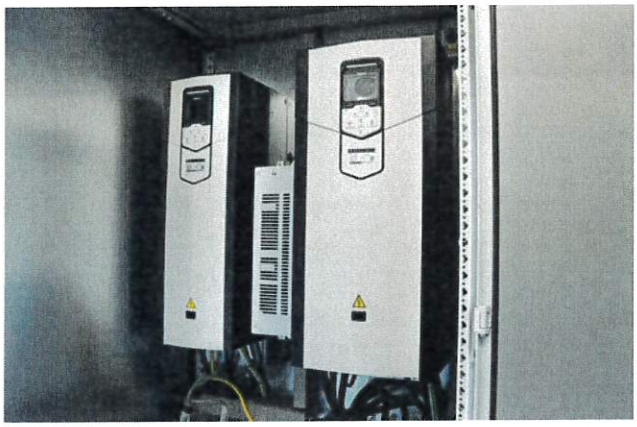
Ice weigher

In hot regions, the ice weigher enables the production of cooled concrete.



Drip protection

Our pneumatically operated drip guard prevents concrete from escaping in an uncontrolled manner and dripping onto the truck driver's cab or the floor.



Frequency converters

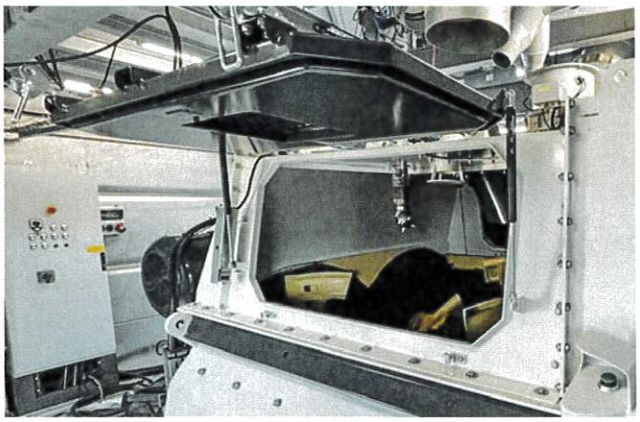
LiPerformance process optimisation enables gentle operation, efficient energy use and up to 20 % higher output.

LiClean cleaning solutions

Modern cleaning systems guarantee quick and convenient concrete production. Our LiClean cleaning solutions are an efficient and environmentally friendly way to keep the plant in top condition.

LiClean high pressure cleaning

Our LiClean mixer high-pressure cleaning system cleans with the 3D high pressure cleaning heads and 100 bar pressure in the fastest possible time with minimal water consumption. The hand lance can be used during automatic cleaning operation.

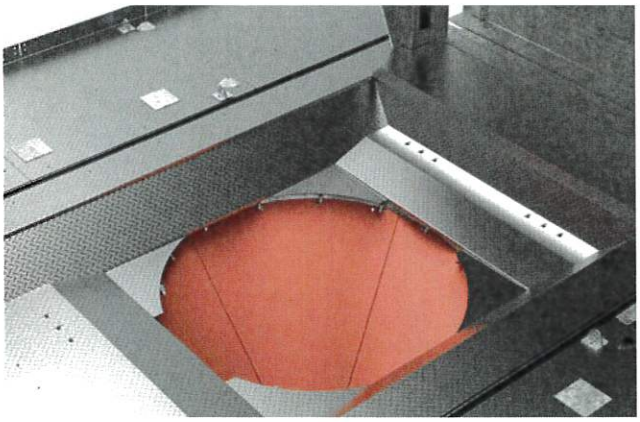


Creep speed

The "creep speed" cleaning mode makes it easy to clean the inside of the mixer. The mixer can be rotated by one rotation per minute using the two-hand local control when the mixer cover is open.

Feeding hopper cleaning

The LiClean cleaning system for the truck mixer feeding hopper saves the driver climbing up to the platform. The quantity of cleaning water is taken into account by the control unit in the formula.



Collecting hopper cleaning

A ring line equipped with cleaning nozzles ensures quick and easy cleaning of the collecting hopper.

All set for the future.

Get in touch with us and discover the advantages of the new Mobilmix from Liebherr. We offer you a customised solution for your projects and support you in achieving your goals.


MOBILMIX
LIEBHERR
LIEBHERR

Your powerful partner.

- Delivery and instruction by experienced service technicians
- Worldwide service network with over 90 service centres
- Technical support worldwide
- Fast availability of spare parts
- Professional maintenance and services

Get your contact

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+49 7583 949-0 · www.liebherr.com · E-mail: info.lmt@liebherr.com

Subject to changes.
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APPENDIX 5

Certification of reverse Jet Filters

SALT
SILO-ANLAGENTECHNIK GMBH

Liebherr Mischtechnik GmbH

Im Elchgrund 12

D-88427 Bad Schussenried

Bescheinigung zu Silo-Entstaubungsfilter Typ JFS

„Reststaubgehalt"

Die Filtergeräte gemäß der oben genannten Typen sind mit dem Filtermaterial Polyester 1-lagig NA 909 ausgerüstet.

Das Filtermaterial wurde vom IFA Institut für Arbeitsschutz geprüft und erfüllt die Anforderungen an die Abscheideleistung für die Verwendungskatergorie „M"

Wir garantieren für diese Filter bei ordnungsgemäßer Betriebsweise, wie in unserer Betriebsanleitung beschrieben einen Reststaubgehalt in der Abluft **< 10 mg/m³ (TA-Luft <20 mg/m³).**

Die Partikelgrößen Ihrer Produkte liegen im Bereich des von dem IFA verwendeten Test / Prüfprotokolls. Der bestätigte Reingaswert wird bei sachgemäßer Inbetriebnahme, Betrieb und regelmäßiger Wartung entsprechend unserer Betriebsanleitung, sowie Verwendung der Original- Ersatzteile auf Dauer eingehalten.

Dieser Bestätigung ist das Prüfzeugnis des IFA -Nr. 201421379/6210 vom 16.04.2014 - gültig bis 15.04.2017 – beigefügt.

Eingesetztes Filtermaterial : Polyestervlies

Brackenheim, den 13.02.2017

Unterschrift

IFA
Institut für Arbeitsschutz der
Deutschen Gesetzlichen Unfallversicherung
Prüf- und Zertifizierungsstelle im DGUV Test

Datum/*Date:* 16.04.2014 Tob/Sol

PRÜFZEUGNIS
TEST CERTIFICATE

Nr./*No.:* **201421379/6210**

1	**Auftraggeber/** *Customer*	Nordic Air Filtration A/S Bergenvej 1 DK-4900 Nakskov / Dänemark
2	**Prüfmuster/** *Test specimen*	Filtermaterial
2.1	Hersteller/ *Manufacturer*	Nordic Air Filtration A/S
2.2	Bauart, Bezeichnung/ *Type, designation*	Filtermaterial 1-lagig / NA-909
	Kennzeichnung/ *Marking*	NA-909
2.3	Bestimmungsgemäße Verwendung/ *Intended use*	Entsprechend den IFA-Grundsätzen zur Prüfung von Filtern für die Verwendung in staubbeseitigenden Maschinen und Geräten (Ausgabe 01/2010).
2.4	Datum der Herstellung/ *Date of fabrication*	01/2014
2.5	Weitere Angaben/ *Further details*	s. Prüfprotokoll

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Institut für Arbeitsschutz der
Deutschen Gesetzlichen Unfallversicherung
Prüf- und Zertifizierungsstelle im DGUV Test

3 Prüfung/ *Testing*

3.1	Art der Prüfung/ *Type of test*	Typprüfung
3.2	Datum der Prüfung/ *Date of testing*	April 2014
3.3	Prüfverfahren, -grundlagen/ *Test method, requirements*	DIN EN 60335-2-69:2010; IFA-Grundsätze zur Prüfung von Filtern für die Verwendung in staubbeseitigenden Maschinen und Geräten (Ausgabe 01/2010).

4 Beurteilung, Eignung/ *Assessment, suitability* (Besondere Hinweise/ *Special remarks*)

Das Filtermaterial NA-909 erfüllt bei einer Filterflächenbelastung von 200 $m^3/m^2 \cdot h$ entsprechend einer Filteranströmgeschwindigkeit von 0,056 m/s die Anforderungen der DIN EN 60335-2-69 an Filter zum Einsatz in staubbeseitigenden Maschinen und Geräten der Staubklasse "M".

Besondere Hinweise:

Dieses Prüfzeugnis gilt nur für das Filtermaterial mit der Anströmseite: gekennzeichnete Seite.

Eine Beurteilung der Arbeitssicherheit der gesamten Staubabscheideeinrichtung ist auf Grund dieses Prüfzeugnisses nicht zulässig.

5 Gültigkeit des Prüfzeugnisses/ *Validity of Test Certificate*

Dieses Prüfzeugnis gilt, solange die zugrundeliegenden sicherheitstechnischen Anforderungen (3.3) gelten, für alle mit dem Prüfmuster identischen Erzeugnisse, die gefertigt werden bis zum:
As long as the underlying safety-technical requirements (3.3) are in force, the present Test Certificate applies to all products equal to the test specimen and manufactured at the latest on:

15.04.2017

Die Identität der Erzeugnisse mit dem Prüfmuster wird von der Prüfstelle nicht überwacht.
Conformity with the test specimen will not be verified by the testing institute.

Eine Verlängerung der Gültigkeitsdauer ist auf Antrag möglich *(bis zu zweimal)*.
Period of validity may be extended upon request.

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6 Allgemeine Hinweise/ *General remarks*

Dieses Prüfzeugnis besteht aus **5** Seiten
The present Test Certificate consists of *Pages.*

Die Seiten 1 bis 3 enthalten das Gesamtergebnis der Prüfung, sie dürfen nur ungekürzt veröffentlicht werden. Zum vollständigen Prüfzeugnis gehört das Prüfprotokoll, aus dem die Einzelangaben ersichtlich sind.
Pages 1 to 3 indicate the overall test result; they shall only be published with the full wording being quoted. The complete Test Certificate also includes the test protocol containing all pertinent details.

Dieses Prüfzeugnis berechtigt n i c h t zur Verwendung des GS-Zeichens, BG-Zeichens oder CE-Zeichens.
The present Test Certificate does n o t warrant the use of the GS-label, BG-label or CE-mark.

Im übrigen gilt die Prüf- und Zertifizierungsordnung der Prüf- und Zertifizierungsstellen im BG-PRÜFZERT in Verbindung mit den Allgemeinen Geschäftsbedingungen der Deutschen Gesetzlichen Unfallversicherung e.V.
In all other respects the Rules of Procedure for Testing and Certification carried out by the Test and Certification Bodies in BG-PRÜFZERT shall apply in conjunction with the General Business Conditions of the Deutsche Gesetzliche Unfallversicherung e.V.

Für die Beurteilung:
For the assessment:

Dipl.-Ing. Hans-Ulrich Tobys
Fachzertifizierer(in)
Certification officer

Für die Prüfung:
For the testing:

Christian Sollik
Leiter(in) des Prüflabors
Head of Testlaboratory

IFA
Institut für Arbeitsschutz der
Deutschen Gesetzlichen Unfallversicherung
Prüf- und Zertifizierungsstelle im DGUV Test

Prüfprotokoll
Test protocol

1.	**Prüfgrundlage:**	DIN EN 60335-2-69:2010; IFA-Grundsätze zur Prüfung von Filtern für die Verwendung in staubbeseitigenden Maschinen und Geräten (Ausgabe 01/2010).
2.	**Art der Prüfung:**	Typprüfung
3.	**Antragsteller:**	Nordic Air Filtration A/S
4.	**Prüfmuster:**	Filtermaterial
4.1	Bauart:	Filtermaterial 1-lagig
4.2	Bezeichnung:	NA-909
4.3	Kennzeichnung:	NA-909
5.	**Staubklasse:**	**"M "**
6.	**Herstellerangaben Filtermaterial**	
6.1	Material und Art:	Polyester
6.2	Flächengewicht:	245 g/m^2
6.3	Luftdurchlässigkeit:	490 m^3/m^2·h bei 200 Pa
6.4	Anströmseite:	gekennzeichnete Seite
6.5	Farbe:	weiß
7.	**Durchlassgradprüfung Filtermaterial**	
7.1	Filterflächenbelastung:	200 m^3/m^2·h
7.2	Anströmgeschwindigkeit:	0,056 m/s
7.3	Anforderung Staubklasse "M"	
	Maximal zulässiger Durchlassgrad:	< 0,10 %

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Prüf- und Zertifizierungsstelle im DGUV Test

7.4 Prüfergebnisse

Mittlerer Durchlassgrad: 0,04 % (sechs Messungen)

Standardabweichung: 0,01 %

Bei einer Filterflächenbelastung von 200 $m^3/m^2 \cdot h$ entsprechend einer Filteranströmgeschwindigkeit von 0,056 m/s ist der Durchlassgrad sicher < 0,10 % (s. Pkt. 5 der Grundsätze zur Prüfung).

Die Anforderungen an die Filtermaterialabscheideleistung der Staubklasse "M" werden erfüllt.

8. Durchflusswiderstand

Der Durchflusswiderstand des Filtermaterials wird vor der Quarzstaubprüfung ermittelt.

8.1 Filterflächenbelastung: 200 $m^3/m^2 \cdot h$

8.2 Anströmgeschwindigkeit: 0,056 m/s

8.3 Prüfergebnis

Mittlerer Durchflusswiderstand: 82 Pa (6 Messungen)

9. Luftdurchlässigkeitsprüfung: 490 $m^3/m^2 \cdot h$

Die Luftdurchlässigkeit des Filtermaterials wird bei einem Differenzdruck von 200 Pa vor der Quarzstaubprüfung ermittelt.

10. Flächengewichtsprüfung: 250 g/m^2

11. Kennzeichnung

Die Anforderungen werden erfüllt.

Institut für Arbeitsschutz – IFA –
Im Auftrag

Sollik

Christian Sollik