INFORMATION TO THE PUBLIC

LBG site Lidköping

Tippvägen 3–5, 531 70 Lidköping (Lidköping Municipality) · Swedish Seveso legislation



Redo Biosolutions' liquefaction plant in the foreground. Gasum's biogas production to the left and in the background.

IN CASE OF FIRE OR GAS LEAK
Call 112

IF THE VMA SIGNAL SOUNDS
Go indoors

LBG
Liquefied biogas stored in tank

–162 °C
Gas temperature in the tank

5–15 %
Flammable mixture in air

Lower
tier under the Seveso legislation

Why are you receiving this information?

You live or work near Redo Biosolutions' LBG site at Kartåsen in Lidköping. This document explains how the site is operated, what hazards exist, how you will be alerted and what to do if an accident happens.

This information is provided under the Swedish Seveso Act (1999:381) and Seveso Ordinance (2015:236). It is kept up to date and is available online at www.redobiosolutions.com under HSSE.

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1 The company and the site

Operator	Redo Biosolutions AB (formerly Lidköping Biogas AB)
Org. no.	556801-7577
Owner	Wholly owned subsidiary of Redo Biosolutions AS, owned by Mobius Renewables and Skagerak Energi
Site address	Tippvägen 3–5, 531 70 Lidköping (property Kartåsen 1:4)
Location	Kartåsen industrial area along road 44, with waste facilities as nearest neighbours
Operation	In operation around the clock, with on-call emergency staff 24 hours a day
Contact for information	Albion Toçi, HSEQ Manager · +47 905 50 122 · albion.toci@redobiosolutions.com
Website	www.redobiosolutions.com, under HSSE

2 The site is covered by the Seveso legislation

The site handles quantities of flammable gas large enough to fall under the lower tier of the Swedish Seveso legislation: the Act (1999:381) on measures to prevent and limit the consequences of serious chemical accidents, and Ordinance (2015:236). The site has been notified to the County Administrative Board of Västra Götaland.

3 Activities at the site

Gasum Lidköping AB produces biogas by anaerobic digestion and upgrades it to vehicle-fuel quality. The upgraded biogas is delivered by pipeline to the Redo Biosolutions site, where it is further purified to about 99.5 % methane.

The gas is then cooled to about –160 °C in a heat exchanger and becomes liquid (LBG). The refrigerant is nitrogen gas in a closed circuit with compressors and turbines. LBG is stored in a well-insulated 125 m³ tank (about 47 tonnes) at atmospheric or slightly higher pressure, and loaded onto tanker trucks. A smaller part of the gas is compressed (CBG) and filled into gas containers.

The site is permitted to produce up to 4,620 tonnes of LBG per year. The odorant THT is added in a closed part of the process so that a leak can be detected easily.

4 Hazardous substances at the site

Liquefied biogas (LBG) consists of about 99.5 % methane and is classified as an extremely flammable gas.

Nitrogen is used as the refrigerant in the cooling process. Nitrogen is not flammable, but it can displace oxygen in enclosed spaces.



Extremely flammable



Lighter than air once warmed up



Displaces air in enclosed spaces



Flammable at 5–15 % in air



Very cold liquid, –162 °C

Very cold gas from a liquid leak may initially stay low to the ground before it warms up and rises.

5 What can happen

- **Ignition.** The main identified risk to the surroundings is that gas from a release ignites and causes a fire or explosion, which could harm people, the environment and the site.
- **Fire smoke.** A fire could cause discomfort for people downwind. The extent depends on how the fire spreads.
- **Cold burns.** Extremely cold gas can cause cold burns in the event of a leak.

The nearest homes are more than 750 metres from the site, east of road 2611. The nearest neighbours are waste facilities and the Kartåsen industrial area.

6 Safety measures at the site

- Gas detectors and video surveillance with remote access
- Emergency stop, tested every year together with the fire and rescue service
- Dead-man control when loading tanker trucks
- Inspection rounds three days a week
- The tank has protection against over- and under-pressure, and monitoring that shuts off gas flow to and from the tank
- Cold vent stack for emergency use on top of the tank
- Leaks from the LBG tank drain to a gravel surface where they evaporate – design approved by the fire and rescue service in consultation with MSB
- Emergency plan and emergency response instructions

7 How you will be alerted

In an accident, an alarm goes to Redo's on-call team, which is available around the clock. The on-call team goes to the site and alerts the fire and rescue service.

If the public needs to be warned, Räddningstjänsten Skaraborg activates the national Important Public Announcement system (VMA). The outdoor signal is a 7-second sound followed by 14 seconds of silence, repeated for at least 2 minutes. Further information during an incident is available via Sveriges Radio P4, SVT, the fire and rescue service's website and Krisinformation.se.

8 WHAT TO DO IF THE VMA SIGNAL SOUNDS



Go indoors



Close windows, doors and ventilation



Listen to Sveriges Radio P4 or watch SVT



Follow instructions from the fire and rescue service

More information: Krisinformation.se. In case of fire or gas leak – call 112.

9 Emergency preparedness

Redo's emergency organisation alerts the fire and rescue service, whose incident commander leads the response on site. Organisations with a role in emergency preparedness for the area:

Organisation	Role
Räddningstjänsten Skaraborg (fire and rescue)	Rescue response and public warning (VMA) · +46 10-173 63 00
County Administrative Board of Västra Götaland	Inspections under the Seveso legislation · +46 10-224 40 00
Lidköping Municipality, Environment and Health	Inspections under the Environmental Code

Always follow instructions from the fire and rescue service.

10 Inspections

The County Administrative Board of Västra Götaland inspects the site regularly under the Seveso legislation. The latest inspection included the fire and rescue service and the municipality.

PREVIOUS INSPECTION
9 June 2022

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LATEST INSPECTION
22 August 2025

Questions about inspections and the inspection plan: +46 10-224 40 00, vastragotaland@lansstyrelsen.se.

11 Further information

More information is available at **www.redobiosolutions.com** under **HSSE**, and from Lidköping Municipality and Räddningstjänsten Skaraborg. Contact details are in section 1.

Document control

Legal basis	Swedish Seveso Act (1999:381) and Seveso Ordinance (2015:236)
Version / date	Rev 01 · November 2026
Prepared by	Albion Toçi, HSEQ Manager, Redo Biosolutions AS
Reviewed by	Martin Bakke, OPS Manager, Redo Biosolutions AS
Approved by	Frode Halvorsen, CEO, Redo Biosolutions AS
Review	Every two years (next: November 2028), or immediately after changes to the site, organisation or emergency preparedness.
Supersedes	Information to the public for the Lidköping biogas plant, 2016-11-11
Changes in Rev 01	New company name, owner and contacts; updated process, storage and distance data (2025–2026 sources); inspection dates; same format as Redo's other Seveso sites.
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Harm Zero **— no harm to people, the environment or assets.**