

4 Safety regulations for Nynas refinery in Nynäshamn

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4.1 General

4.1.1 Background and scope

The refinery operations are complex, security-sensitive, environmentally hazardous and includes handling large quantities of flammable goods.

We must always have a high focus on safety in order to protect people, the environment and property.

The business is governed by extensive regulatory requirements and internal rules. All operations must be conducted in accordance with Swedish law. Everyone within the refinery must have sufficient knowledge of and comply with the content of our safety regulations. To carry out work in the refinery area, good knowledge of our routines is required to ensure that the work is done in the safest possible way.

Line managers shall ensure that their own staff are given good knowledge of laws, rules, and internal procedures. That laws, rules and procedures are followed and that the staff undergo the safety training shown in section Access cards and identity

A safe work site does not arise by itself. It is created by all of us working together, putting safety first, do our "Take Two" before a work starts, follow rules and procedures, assess risks, and report and investigate deviations. Everyone within the refinery has an obligation to report deviations as soon as possible (for visitors this is done to the Nynas host).

Nynas works purposefully and systematically to reduce the environmental impact of the business. Everyone staying in the refinery area are affected by Nynas' environmental work. The rules govern, among other things, the management of chemicals and waste, and how the reporting of environmental incidents should be carried out.

4.1.2 Vital installation

The Nynas refinery in Nynäshamn is classified as a vital installation, which means that it is prohibited:

- To entry without permission
- To photograph, copy, describe or measure without prior permission.

The refinery is also a restricted area, which means that overflights of aerial vehicles and drones are prohibited without permission from the HSSE department. The water directly adjacent to the Nynas property area is closed to boat traffic without permission from the port manager.

4.2 Access to the refinery area

4.2.1 Access card and identity check

To gain access to the refinery area, see Figure 1, an access card is required. The access card is obtained at the reception after an identity check has been carried out. Access cards should normally have the lowest access level (Access level 1) which means entry and exit through:

- Pedestrian gate at Lower gate No.1.
- Pedestrian gate at Upper Gate No.2.
- Pedestrian gate to the crew building (glass spinning gate by the dining room).
- Pedestrian gate at Outer Bitumen gate No.3.
- Pedestrian gate at Inner Bitumen gate No.11.

Other permissions should be initiated by the line manager.

For employees, consultants and contractors, an approved result is required in the web-based courses SSG Entré Basic Education, SSG Chemical Safety or SSG Entré Chemistry and SSG Entré Nynas, see Table 1. Each employer is responsible for their staff completing the SSG courses. For Nynas employees, the courses are assigned by the HSSE department. The Basic and Chemical /Chemistry courses are industry-wide and the Nynas part is a local training for the refinery in Nynashamn. More information about the trainings can be found at www.ssg.se. Comparable foreign courses can be accepted in combination with the SSG Entré Nynas.

Access cards for consultants and contractors must be ordered at least two working days in advance. In the case of major maintenance projects, contact must be made with the reception, at least one month in advance, for an agreement on a timetable for the preparation of access cards. The access card shall, as far as possible, be worn visibly. At least be presented in the event of a check. For those who have access cards without a photo, they must be able to id themselves.

Access to different areas is granted by line manager who has the main activities in the relevant area. Access to the port area requires a written approval from the Acting PFSO (Port Facility Security Officer), PFSO or the HSSE Department. Identity verification is required for the reception to issue the permission.

If a valid access card is forgotten, for instance, at home, the reception can issue a temporary card with the lowest level of access. The card must be returned at the end of the day or no later than the next day.

Lost cards must be reported immediately to the reception.

The manager or a client must report changes in staffing to the reception in good time. When an employment or assignment are ended, the access card must be returned to the reception.

Table 1 training requirements for different groups

Group	SSG Entre Nynas AB Nynashamn Courses done annually	SSG Entre Basic SSG Chemistry/ SSG Chemical Safety Courses done every 3 years	Comment
Nynas employees with access card	X	X	Training is assigned by the HSSE Department
External personnel with access card	X	X	
External personnel, without access card, carrying out service, calibration, and installation of instruments in buildings outside the process area			External personnel are escorted throughout the whole visit To apply this group, no more than two jobs per year shall be carried out.
Service of office machinery without assistance	X		Each employer is responsible for ensuring that SSG trainings are done
External personnel, without access card to carry out work This group may only be used exceptionally.			Exceptions may be granted by the Work permit approver in consultation with HSSE in case of a single, short-term work. Additional security measures (escorts, etc.) should be taken and presented in the Work permit Exceptions for single short-term work without a work permit, e.g. site visits required for benchmarking/auditing/auditing/planning of work,

Group	SSG Entre Nynas AB Nynashamn Courses done annually	SSG Entre Basic SSG Chemistry/ SSG Chemical Safety Courses done every 3 years	Comment
			can be given by the HSSE department (mail).
Drivers who load or unload without guidance, for example when loading NSP or bitumen products	X	X	Each employer is responsible for ensuring that SSG trainings are done
Drivers — Freight transport accompanied			All deliveries to storage must be accompanied
Visitors to “Oljans matsal”			
Personnel at “Oljans matsal	X		Assigned by the HSSE Department
ISIT consultants working with the operation control system or having assignments longer than 6 months/year	X	X	Each employer is responsible for ensuring that SSG trainings are done
ISIT consultants with assignments less than 6 months/year	X		Each employer is responsible for ensuring that SSG trainings are done
Mooring staff, without their own access card that moors boats in the harbor.			Mooring personnel must be accompanied by supervisors throughout the whole work. The supervisor must have a valid SSG in all courses.
Persons who perform degree projects and internships and holiday workers within Nynas AB.	X		Contact the HSSE department Please note that substitutes do not count towards this group.

4.2.2 Entry times through gates and doors

The area from Lower Gate No. 1 to Upper Gate No. 2 at the reception is open to the public between 06:30 to 16:30 weekdays (when Lower Gate No. 1 is open). Changes in times may occur in larger projects. The restaurant is available to the public during its opening hours.

When entering the refinery area between 18:00 to 06:00 at weekdays and during weekends, CKR/SC (shift manager) shall always be notified. This does not apply to operators on their shifts or when

performing work regulated in work permits. In addition, external personnel must always have a written assignment from their Nynas-employed client, mail is sufficient, which confirms and clarifies the reason for entry during the above times. Upon request, it shall be presented and/or sent to CKR/SC.

4.2.2.1 Entry through driving gates by vehicle

The following entry by vehicles are allowed:

- Vehicles with a traffic permit. Each vehicle has an obligation to stop, and the driver must enter his access card in the reader. Note that passengers must step out of the vehicle and pass the pedestrian gate where available.
- Emergency vehicles on duty (gates opened by Refinery Rescue Service)

In addition, the following special rules apply to certain driving gates:

When gate No 1 to 5 is closed, access cards shall be used by the driver of vehicles at both entry and exit. The driver has an obligation to:

1. stop at the sign and
2. wait for a red light before
3. using the access card in the reader
4. green light indicates that it is ready to pass the gate.

For driving gates No 2, 3 and 4, it is also allowed:

- Gate is opened by reception/delivery office/Operation for loading or unloading of goods (e.g. storage, bitumen loading, NSP loading, sulphur loading, ammonia, gas). The driver shall contact reception/delivery office/operation via the intercom for entry and exit. Note that either SSG courses has been done or the driver shall always be accompanied.

For driving gate No.2 it's also allowed:

- Walking with bulky materials. The gate is opened by the Reception. For larger groups of visitors, please refer to routine NMS 006041.

For driving gate No.6 it's also allowed:

- Vehicles admitted by port staff. Note! Vehicles (including reg nr), drivers, passengers, and matter (including any consignment notes) must be pre-notified to port staff, PFSO and Acting PFSO by email.

If a driving gate needs to be kept opened for material transport and/or passenger traffic in connection with projects or other activities, it must always be monitored. The surveillance shall be performed by a Nynas hired security company.

- Real Estate and HSSE takes decision if a gate can be kept opened.
- The need for a guard must be notified in good time and no later than one working day before to the HSSE department, who arrange the guards.
- In the case of larger projects, e.g. new construction or turnarounds, the project organization arrange the guards, still it must be from a Nynas hired security company. The HSSE department shall be kept informed.

See also information in the Traffic Permit section

4.2.3 Access to the process and tank park area

Only personnel engaged in the operation are normally allowed in the process and tank park area.

All other personnel who are to carry out work in or visit the process and tank park area shall:

- Contact the shift supervisor or Work Permit approver for clearance.
- Register access card IN in the card readers located at the boundaries of the process area (see "reg.plate" in Figure 1) Please note that this also applies to drivers and passengers in vehicles.
- Register access cart UT in the card readers located at the boundaries when leaving the process and tank park area. Note that this also applies to drivers and passengers in vehicles.

For vehicles, additional rules apply, see section Driving in the process and tank park area .

4.2.4 Visitors

All visitors must be pre-notified to the reception. For visits by groups with more than 5 participants, special rules apply, see NMS 006041.

Nynas approves visits of the following nature:

- Applicants for a position
- Educational visits
- Family members
- Representatives from companies involved in business discussions, such as procurement, follow-up of procurement and reconciliation within assignments
- Representatives from authorities, auditors, insurance companies and brokers
- Visits to contractors/consultants related to the contractor/consultant's assignment for Nynas. The visit must be approved by the Nynas-contact person

All visitors must register at the reception and receive a visitor card.

Visitors shall be picked up by the host at the reception. The host accompany the visitor throughout the visit and is responsible for ensuring that the visitor receives the necessary information about the refinery's safety rules, that the rules are followed and that the visitor, depending on the nature of the visit, is equipped with the right personal protective equipment.

In general, only a Nynas employee can be a host for a visit. Exceptions can be made for contractors/consultants if the Nynas contact person ensures that the contractor/consultant is competent to provide adequate safety information and PPE. The reception should be informed before the visit.

Each meeting, attended by visitors, shall begin with a relevant safety briefing focusing on what to do in the event of a fire or other emergency. HSE information for visitors can be found in the Manufacturing Work Environment database.

Please note that visitors may only be accompanied within the host's own authorized geographical area. Prior to accompanying visitors to other areas, permission must be obtained from the relevant area manager. Visits inside the process area require permission from the Shift Supervisor. Visits to the harbor area require permission from Acting PFSO, PFSO or the HSE-department.

The host is responsible for the sign out returning and the visitor card to the reception after the visit. There is a box outside the reception for visitor cards after the reception has closed. Please note that visitors must be accompanied out of Lower Gate No.1 after 16:30 Notify the reception (by email) that the visitor has left.

The visitor cards have access (Monday-Friday 07.00-16.30) and exit (Monday-Friday 07.00-20.00) to the following gates:

- Pedestrian gate at Lower Gate No. 1,
- Pedestrian gate at Upper Gate No. 2
- Pedestrian gate to the crew building (glass spinning gate by the dining room).
- Pedestrian gate at Outer Bitumen gate No. 3
- Pedestrian gate at Inre bitumengrind No. 11
- Gate in reception

4.2.4.1 Educational visits

Educational visits refer to visitors who:

- Nynas has, or may have, a business relationship with the
 - students registered at institutes of technology
 - students within the town of Nynashamn, grade 7 or higher, that Nynas has a strategic interest in promoting
- Nynas has a strategic interest in supporting

- Visits that underline our commitment of being a good citizen and having a high level of transparency for the business

4.2.4.2 Visit by a relative

Visits by relatives of Nynas employees is possible. The visit must be approved by the line manager. Same visiting rules apply as above. See also Age limits.

4.2.4.3 Work-related visits by representatives of authorities who can carry weapons/radio/mobile phones during the performance of their duties (Police, Coast Guard, Customs)

Work-related visits by representatives of authorities who can carry weapons/radio/mobile phones during the performance of their duties (Police, Coast Guard, Customs)

Hosts can be HSSE staff, SC, line manager or his replacement, refinery manager or his replacement, operation manager, port manager or his replacement. The host shall inform the visitor about below:

- Nynas does not try to prevent their work, but we have a responsibility to ensure that it can be done safely
- Relevant requirements for personal protective equipment and that we have PPE available. Please note that this may be limited in the port in the case of life jackets. The walkway has a general exception for personal protective equipment requirements for visitors
- No photographs can be taken without a permit
- The process area/port is classified area* ¹ (choose the one that is relevant). In the area equipment with gas, flammable and combustible goods are present and therefore firing of weapons**¹ to fire, emissions to the environment, personal injury and more.
- When visiting the process area or the port, ask if visitors carry weapons, radio, mobile phone and/or other electronic equipment
 - For weapons: Ask to ensure that the weapon is not loaded (has cartridge in cartridge position) and is stored in a locked holster
 - For radio/mobile telephone/other electronic equipment: if any of these do not comply with IIC T4, please inform that these may not be carried without a permission from SC or IL.
 - If visiting the port, the host of the visit shall carry a gas detector. Please inform visitors that Nynas can only guide up to the ship's security check. Please contact the ship for information if they can receive visitors with equipment and weapons.
- Ensure that visitors are escorted out and that borrowed PPE is restored.

4.2.5 Age limits

4.2.5.1 Age limit visitors

A general age limit of 12 years of age applies within the refinery area. For visits to the process and tank park area, the age limit is 18 years.

4.2.5.2 Age limits trainees and holiday workers

In the process and tank park area, the age limit for holiday workers and trainees is 18 years of age. Exception may be granted by the HSSE department if the work is carried out with and the management of a Nynas personnel with good experience of the refinery's operations. Risk assessment shall be carried out before exception is granted

Outside the process and tank park area, 16 years is the age limit for internships and holiday work. Exceptions are not granted. Holiday workers and trainees between 16 and 18 years apply, according to

¹ See Annex 1

law, to special rules on duties, working hours etc. Therefore, always contact the HSSE department before starting.

4.2.6 Dogs and pets

Only working dogs, such as a watch dog and a guide dog on duty, are allowed in the refinery area. These shall be authorized by the HSSE department.

It is not allowed to bring pets into the refinery area. Pets are only allowed in the parking area.

Nynas refers to the Swedish Board of Agriculture's rules regarding dogs in vehicles, e.g. the general rule is no more than 3 hours.

4.3 Traffic regulations

4.3.1 General

Within Nynas refinery area the Swedish Traffic Regulations applies. At the same time precaution is necessary. This means, among other things, that:

- The seat belt shall be used in vehicles.
- Road signs/markings may not be moved or changed without permission. If a sign accidentally is moved try to immediately restore it, if not possible inform Nynas.
- In the event of a traffic accident in the area, Swedish law applies. Remain at the traffic point, help injured and notify Nynas about the incidents and of any damages. Note that Nynas requires alcohol tests for all those involved in a traffic accident. For Nynas internal use see Appendix 2.
- The use of communication equipment held in your hand when driving vehicle is prohibited (exceptions apply for emergency services, for example).
- Bicyclists and pedestrians are always obliged to give preference to vehicles on the road when crossing a road where there is no pedestrian crossing.
- At pedestrian crossings, vehicles are always obliged to stop for pedestrians who are about to cross the road.
- Bicyclists have a duty to give way to both pedestrians and vehicles on pedestrian crossings.

There are no dedicated bicycle lanes in the area. When cycling in areas where there are personal protective equipment requirements, the relevant personal protective equipment must be used. Bicycle helmets must not replace approved safety helmets in these areas.

In areas without personal protective equipment, a bicycle helmet may be used if an approved safety helmet is not worn.

When cycling in ATEX area, the bicycle must apply to the ATEX rules, for example lights and dynamo

Inline, kickboards, skateboards, electric bicycles, electric scooters are not allowed to use inside the refinery area.

Gas-powered vehicles are not allowed inside Upper Gate No. 2 and Inner Bitumengate No. 11, as these are a risk in case of an event.

Cars that are banned from driving may not be parked within the refinery area.

4.3.2 Speed

Follow the speed limit signs.

From the lower gate and to the upper gate at the reception the speed limit is 30 km/h. Inside upper gate No. 2 the speed limit is 20 km/h unless sign is posted. Within the inner process area, the speed is limited to a maximum of 10 km/h.

4.3.3 Parking

Vehicles may only be parked on designated parking areas, otherwise parking is prohibited. The placing of vehicles or machines when performing work are regulated in the Work Permit.

The parking between Lower and Upper gate is free to be used by Nynas employees, contractors, long-term visits and for visitors to the restaurant.

Electrical outlets for car heaters are free to be used by Nynas employees. Please note that these must not be used to charge electric vehicles.

Please respect the parking near the reception is assigned to emergency services, handicap, or visitors.

The visitor parking is for internal and external short-term visitors and must always be reported at the reception. For contractors/consultants who need to park private vehicles/corporate vehicles outside working hours there is a special parking in the beginning of the parking, to the right when entering Lower gate No 1. This parking requires a parking permit "Parking permits for contractors". The application for this parking permit is made at the reception. The parking permit shall be kept in a visible place in the front window.

For the entire area inside Upper Gate No. 2 long-term parking allowed only at designated locations. The construction of temporary car parks in connection with projects must be approved by The Real Estate and the HSSE department.

Nynas employees with work site Blå Huset and Bitumen area may drive in through Yttre Bitumengrinden No. 3 and park in the parking lot south of Blå Huset.

Parking between the Central control room and EA is only intended for short-term visits to the control room.

It is forbidden to park:

- Less than 10 meters from the fire hydrant or foam insertion site.
- Closer than 3 meters from the pipe rack (horizontal distance).
- So that the road of emergency vehicles or escape route is blocked.
- In areas with an increased risk of fire/explosion, so-called classified area.

Nynas does not take responsibility for vehicles driven or parked within the refinery area. The company is liable only if damage arises from negligence or misconduct from its own business.

4.3.4 Traffic permits

To pass through a gate with a motor vehicle, a traffic permit "Trafikillstånd" is required.

Exceptions to the traffic permit rule apply to:

- The area between Lower Gate No. 1 and Upper Gate No. 2.
- Nynas-employees park at Blå Huset with entrance through Yttre Bitumengrinden No. 3.
- Emergency vehicles.
- Hired security company vehicles.
- Regular material transports to main stores. These transports shall be accompanied, see below for the task of the escort.
- Tankers loading NSP or Bitumen products.
- The car for Sulphur loading and regular and regular deliveries of process chemicals when driving to and from the loading/delivery point. Drivers arriving in the area for the first time shall be accompanied.
- Transport vehicles to UL4 and UL5

Application for a traffic permit for more than one day is made in the Traffic Permit database. See NMS 004814. The application is made by the line manager for Nynas employees and Nynas contact person for contractors/consultants. Performance managers who, with a valid reason, need vehicles for a work permit can also apply for a traffic permit. The application must indicate why the permit is needed for the operation.

The application is then handled by the HSSE department. If the traffic permit has been granted, it must be collected at reception and placed visibly in the front window of the car. Traffic permits may not be moved to another vehicle.

When vehicles are required for work (e.g. material transports or work machines) for only one day, information should be emailed to the reception. The information shall state:

- Date
- Type of vehicle
- Type of fuel
- Contact person at Nynas
- Names and contact details of escorts

All motor vehicle without an HSSE approved car permit shall be escorted. This must be confirmed to the reception before the car gate is opened. The escort shall always have visual contact with the vehicle and the driver. The escort's task is to:

- Meet up and follow back the vehicle at the driving gate.
- Show the route to and from the unloading/loading/work site.
- Inform the driver of the applicable rules and routines for evacuation (including the way to the collection point).
- Keep an eye on the vehicle and the surroundings throughout the visit to ensure proper driving and prevent injury to people and facilities.

For permits to drive motor vehicles in the process and the tank park area, a separate permit is required, see further under "Driving in the process and tank park area" and "Traffic in internal Driving in the inner process area".

For driving inside the area with a forklift, 4-wheeler or a crane, a separate Driving permit "Körtillstånd" is required, see further under Driving Permit "Körtillstånd" for forklift, skylift, lifting devices and other work equipment

4.3.4.1 Driving in the process and tank park area

Every form of motor vehicle traffic within the process and tank farm area may only take place after having obtained a written, time-limited permission for each occasion from the Work permit approver/Shift Supervisor.

Nynas cars belonging to the Production group and other cars decided by the Production Manager are excepted from this rule (record of these cars available in Permit office).

A risk analysis must be performed when vehicles are to be driven in the process area and when driving outside constructed roads in the tank park area. Risk reducing measures are either a reverse/control guide or temporary protection of equipment/pipes. The purpose is to prevent hitting process equipment. Mopeds, ATVs, cars and pickup trucks with good visibility or regular transport of waste might not need a guide, decision is made by the Work permit approver/Sc

Roadblocks or cordons shall immediately after passage be restored.

When vehicles are in place in the process or tank park and left due to for example brakes keys shall be left in the vehicle or handed to SC in the control room. This is to be able to move the vehicle in case of emergency.

4.3.4.1.1 Driving in the inner process area

The inner process area has a physical marking, a cordon. Driving in the inner process area needs a written permission from the Work Permit approver/SC, who also states the route and direction. Gas tests shall be carried out by a certified gas tester.

- PG provides gas testers for Production drivers and smaller projects
- MTS (maintenance) provides gas testers for drivers related to their work
- Engineering provides gas testers after reconciliation with the Work Permit approver/SC

Gas testers can also act as reverse/control guides. Requirements for fire control or the placement of mobile gas detectors in the case of placed work machines in operation are determined according to the current rating plan. Special rules apply for snow removal, see NMS 003142.

4.3.5 Driving Permit “Körtillstånd” for forklift, sky lift, lifting devices and other work equipment

To drive a truck, sky lift, wheel loader, 4-wheelers, car and other work equipment in the area, a driving permit “Körtillstånd” issued by Nynas is required. The driving permit is personal and must be presented upon inspection. To issue a driving permit a tractor or car license and a training certificate are required.

Training certificates are required for driving:

- truck
- crane
- wheel loader
- skylift and other mobile work platforms
- 4-wheelers
- other construction vehicles

Driving permits are issued by Nynas line manager or performance manager. External staff should also have written permission from their employer, mail is sufficient. The driving permit is limited in time to the period of validity of the certificate or to the time of the contract.

The form for driving permits “Körtillstånd” is available as a PDF file under NyPort/My Links/Forms.

Original of driving permits along with permission from employer and copy of certificates shall be sent to the HSSE department. A copy of the driving permit is provided to the driver.

4.4 General rules of conduct

4.4.1 Housekeeping and general order

To ensure safe working conditions, housekeeping and general order is important, both in the refinery area and indoors. It is everyone's responsibility to keep good order at their work site. Waste shall be removed continuously and after completion of work all remaining waste, materials, tools and equipment shall be removed.

Anyone who borrows equipment, tools, and equipment, from Nynas is responsible for their return in cleaned and undamaged condition. All loans must be approved by Nynas. If tools and equipment are worn or damaged, this must be notified immediately to the responsible owner.

Permission for contractors to use Nynas' stores and workshops can only be given by exception and is given by the MTS manager.

Time-limited placement of materials for example scaffolding, packaging material, cipax or machinery may only be carried out in accordance with Shift supervisor or Line manager. Time limited storage of materials shall:

- Not to be placed closer than 10 meters from fire hydrant or foam injection point
- Not be placed closer than 3 m from pipe rack
- Not be placed in areas with an increased risk of fire/explosion,
- Not blocking any safety equipment or detectors/sensors

4.4.1.1 Waste

All waste must be handled in an environmentally friendly manner. Everyone is responsible for sorting their waste and throw it in dustbins or waste containers according to the instructions given at the environmental stations.

Sort the waste into the following fractions:

- Uncolored glass laid in containers labelled "uncolored glass/ofärgat glas"
- Colored glass placed in containers marked "colored glass/färgat glas"
- Paper in barrels or bins marked with 'recycled paper'

- Combustible in marked bins "combustible material/brännbart" – such as food waste, plants, binders, books, soft plastics, disposable materials, other combustible
- Non-combustible is left in bins marked "non-combustible/icke brännbart" such as rubber, leather, porcelain, gloves, work clothes
- Electrical and electronic waste is left in the special area labelled "electrical waste/elektronik"
- Hazardous waste is left in special containers labelled "hazardous waste" – such as paint residues, oil residues, solvents, chemicals
- Hazardous waste subject to special regulations - asbestos, mercury: for the handling and labelling of these substances there are legal requirements must be met. Contact Waste responsible

Since not all environmental stations have a full set of containers for the different fractions, you can turn to Waste responsible or his replacement if there is a problem with any waste.

4.4.1.2 Spill oil or chemicals

When an oil or chemical spill occurs, the leakage should be immediately stopped, and clean-up shall take place as soon as possible (suction, sealing off)

If the oil spillage poses an emergency environmental threat or risk of fire, the refinery rescue services must be notified immediately. Inform the HSSE-department and write a deviation report.

Deviation report should always be written:

- if the spill is greater than 10 liters to ground
- for all spill to water
- all emissions to air of smoke and soot lasting more than 3 minutes
- for all emissions of gases
- unplanned drainage to process drains

Write the deviation on the day the release occurred. See NMS 002232 and NMS 002864.

4.4.2 Smoking

Smoking is prohibited in the entire refinery area unless otherwise specified. The same rules apply to the use of e-cigarettes. Lighters/matches may not be used or brought into the process and tank park area.

4.4.3 Alcohol and drugs

Bringing alcohol or drugs or consumption of alcohol or use of other drugs is strictly prohibited within the Nynas refinery area. Random alcohol and drug tests occur.

Read more in Nynas Alcohol and drug policy NMS 004752.

4.4.4 Photography

It is only allowed to take photographs and film for internal use for Nynas employees and external persons photographing on behalf of Nynas. The photograph shall be intended for the planning and execution of the work and for documentation.

For external persons to take photographs, a written assignment from a Nynas employee is required. The written assignment shall include a description of the assignment, the photographer's name, duration and where photography should take place. The written assignment shall be present on request.

For photography in the process, port and tank park area, a written work permit/photo permit is required. The permit is approved by the Work Permit approver. The camera should comply with IIC T4 (ATEX rated) or a gas detector should be worn. The photographer should be familiar with potentially explosive environments. See also NMS 002001 Work permit.

No originals or copies may leave Nynas area or servers without the permission from the HSSE manager or refinery manager.

Photos or film intended for external use must be approved for this purpose by the HSSE manager or refinery manager.

For photography in the central control room, CKR, approval is needed from the line manager as well as the HSSE manager or refinery manager. When shooting, staff from the HSSE department or refinery manager shall be present. The images shall be approved for use by the HSSE manager or refinery manager. The basic rule is that no close-ups are taken on instruments and screens.

4.4.5 Mobile phones and other electronic devices.

Due to fire and explosion risk, only ATEX-rated electronic equipment in the form of e.g. mobile phones, communication radios, helmet lighting and computers may be brought into the inner process area, tank park and port. The ATEX rating shall be at least IIC T4.

ATEX rated mobile phones with camera may only be brought into the process, tank and port area if there is a need for photography, see further requirements under section Photography

Requirements for ATEX-rated portable electronic equipment also apply to switched off equipment.

From a disturbance point of view, the use of communication radios in IR rooms is prohibited when the facilities are in operation.

4.4.6 Injuries and Thefts

Suspicion of theft of Nynas property or damage to Nynas property, including information and/or digital material, must immediately be reported to the HSSE manager or HSSE Specialist Security.

Suspicion of theft of private property should be reported to the police by the owner, see also NMS 001694

Unless otherwise specifically agreed, Nynas take no liability for damages or thefts beyond what is applicable under Swedish law. Nynas is not responsible for and does not compensate for damage or theft of others property in Nynas refinery area. Nynas do not compensate for damage or theft caused by violation of regulations, caused by negligence of a contractor or supplier, or caused by special conditions prevailing in the refinery area, such as damage to vehicles or other equipment caused by oil or similar.

4.5 Specific risks and rules

4.5.1 Safety instruction nitrogen

In the process area, nitrogen (N₂) is used as a protective gas in process vessels to prevent explosive mixes of air and hydrocarbon and to prevent self-ignition.

An increase in nitrogen levels always occurs at the expense of the oxygen level, which will decrease and may lead to a risk of asphyxiation. Nitrogen cannot be seen, felt, or smelled, so a low oxygen level cannot be sensed by smell or registered by sight or touch. High levels of nitrogen cause no dizziness or nausea before causing loss of consciousness. Note that the escape mask does not provide any protection against nitrogen. Nitrogen can accumulate in depressions.

All tubes containing nitrogen have a unique connection that only fits with the nitrogen outlets. Outlets are also locked. The Shift supervisor have keys to the locks. The production group are the only ones permitted to lock/unlock the nitrogen outlets. Thereafter the production group and those with valid work permit, where use of nitrogen is stated, have the right to use nitrogen gas outlets. The hoses may only be used for nitrogen. The outlets are posted with warning texts, Nitrogen and N₂. Pay attention to the warning signs.

The manufacture and/or use of a crossover between a nitrogen-connection and an atlas-connection are strictly prohibited according to these safety regulations.

4.5.2 Safety instruction hydrogen sulphide

In the process area, hydrogen sulphide (H₂S) is handled, which is one of the most dangerous gases to which the personnel can be exposed to. It can kill, even in low levels.

Hydrogen sulphide is a colourless, highly toxic gas, which has a characteristic smell of rotten eggs which can be felt at a content of less than 1 ppm. If the content rises to 100 - 150 ppm, the sense of smell is paralyzed. Therefore, one cannot rely on the sense of smell to detect hydrogen sulphide. The gas is heavier than air.

If you smell hydrogen sulphide, immediately leave the work site and warn your colleagues, do not go there again. Contact the central control room for further action. If you sense a strongly irritated smell of hydrogen sulphide, you should also put on the escape mask.

The safety instruction for hydrogen sulphur contains information on the risks of the gas and the special rules applicable to hydrogen sulphide emissions. See NMS 002696, Safety instruction hydrogen sulphide, operation.

In the event of certain process disturbances, H₂S may controlled be led to the flame for combustion whereby sulphur dioxide (SO₂) is formed. The area down-wind is then evacuated, and the evacuation alarm may be used.

4.5.3 Safety instruction oxygen

Oxygen is a colorless, odorless, tasteless, and oxidizing gas. Special safety procedures must be known and strictly followed.

Before start working on an oxygen system, instruction NMS 002472 must be reviewed and understood as to:

- Training in risk management
- Protective clothing and equipment
- Handling of tools
- Handling of spare parts
- Use of gaskets and lubricants
-

See NMS 002472, Work at oxygen plants Nynashamn.

4.5.4 Work with chemicals

Before a new chemical can be used in the refinery area, it must be approved by the chemical review group. It is important to start this process well in advance of planned use. Safety datasheet, how the chemical is to be handled and a risk assessment must be written before the review can start.

The principle of product choice shall be applied, which means that you should primarily choose chemicals with little environmental and health impact.

Any handling and storage of chemical products shall take place within a separated area or in a confined storage room as directed by the contact person. Vessels and containers shall always be labelled with contents and any applicable warning symbols.

If the chemicals are flammable or explosive, it is especially important that they are stored in a designated place. This information must be provided to the Refinery Fire and Rescue Service in the event of a fire.

4.5.5 Work at height

Work at high altitudes, over 1,25 meters, must not be carried out without adequate protection against falls. Tool must be secured, including telephones and escape masks.

In general, the use of ladders is prohibited except for visual inspection. A risk assessment shall always be done, and other more secure options shall be considered. See NMS 003286.

4.5.6 Scaffolding

All scaffolding must meet the requirements of the Swedish Work Environment Authority's regulations and the manufacturer's instructions.

Assembly, disassembly and change of a scaffold may only be carried out by a certified scaffolder.

4.5.7 Lift with crane

4.5.7.1 Temporary lift of persons with crane or forklift

At temporary person lifts with crane or truck the employer, Nynas or contractor, shall appoint a specific person (lift leader) who plan and lead the lift, risk assess and ensure compliance with the regulations of the Swedish Work Environment Authority.

Nynas shall be contacted to inspect the crane/truck and lifting basket together and control that it is approved for lifting of persons.

In the case of temporary lifts with a forklift or crane with an associated work basket, personal protection against falls must be worn.

Personal fall protection should also be used for work in a skylift or scissor lift.

4.5.7.2 Other lifting with crane

The contractor or Nynas employee performing a lift with a crane must appoint a specific person (lift leader) who will plan and lead the lift and be responsible for ensure compliance with the Swedish Work Environment Authority's.

The work permit issuer is responsible for ensuring that the lifting plan or the relevant parts of the lifting plan are presented to the work permit approver. The lift leader shall ensure that sufficient area is cordoned off or otherwise secured (work platforms and equipment does not a secured area) to avoid injury to persons or equipment.

If adequate visibility is not available when lifting with a free-hanging load, a signalman shall be appointed who has direct contact and can guide the crane operator.

4.5.8 Gas tubes

Gas tubes must be stored at the location designated by the work permit issuer. The basic rule is that gas tubes must never be stored above ground level.

4.5.9 Work machines

Work machines must be shut down during breaks or when leaving the work site. The work permit shall clearly indicate whether the work machine may be left within the process/tank park area until the next working day. When the work machine is left over break or after the end of the working day, keys must be left in the vehicle or handed to Shift supervisor in the control room. This is in case of an emergency and the machine needs to be moved.

4.5.10 Cordons

Work may require opening process equipment, the excavation of holes in the ground, or the removal of parts of equipment or even safety equipment. When this occurs, the person performing the work has a duty to cordon off the area immediately.

Plastic ribbons may only be used for short-term emergency cordons, maximum one working day, e.g. in the case of internal or external emergency services. If the need for a cordon remains after the emergency, the plastic ribbon shall be replaced by materials that is visible independent of ambient light and durable under all weather conditions.



For planned work, plastic ribbons must not be used as cordons. This is especially important when blocking pits or heights. Near a pit heavy cordon should be considered. See example picture.

If equipment is removed at heights, thereby creating an uncertain situation, the access (staircase, ladder) to work site must be marked with a warning and cordoned off.

If a cordon is removed during the work, the area must be subject to close supervision. This also applies during shorter breaks.

Cordons shall be maintained for the duration of the work and immediately removed when the reason for the cordoning is no longer valid.

Cordons that remain in place for more than one working day shall be provided with reasons for the cordon and the name and telephone number of the requester of the work.

Cordons must always be respected.

4.5.11 Electrical equipment

The management (applies to both Nynas and contractors) is responsible for ensuring that all electrical equipment used within the refinery complies with the applicable regulations.

Work machines, welding machines, lighting fixtures, etc. may only be connected to the central power outlets as designated by the Electrical department.

In areas of the refinery with an increased risk of fire/explosion, so-called classified area, only ATEX-classified equipment may be used. Classified areas at the refinery are the process and tank park but also to a lesser extent in other areas. The work permit approver grant exemptions via a work permit.

4.6 Personal protective equipment

Clothing with long sleeves and pants, high visibility clothing (integrated or separate vest), helmet with chin strap, safety goggles with side protection and safety shoes should always be worn in marked areas within the refinery area.

The area from the lower gate to the reception, offices, workshops and the area outside the Blue Building, including the parking lot, are exempted.

When working in workshop premises, at least clothing with long sleeves and pants, safety goggles and safety shoes must be worn.

The need for additional or alternative protective equipment is assessed at each work site for the work to be carried out.

In areas signposted with personal protective equipment, the following exceptions apply:

- Helmets and goggles may be removed if you are in a vehicle. Helmets and goggles shall though be easily accessible in case the area need to be quickly evacuated or quickly exit the vehicle cab.
- For visitors to boats within defined walkways with a guide see also section Visitors.

Nynas provides the necessary personal protective equipment for Nynas employees and visitors. Contractors/consultants provide protective equipment through the respective employers. The PPE must meet the requirements of the Swedish Work Environment Authority and Nynas. Ask the HSSE department for consultancy

For more information about personal protective equipment, see NMS 002535.

4.6.1 Additions to personal protective equipment requirements

In addition to the basic level of PPE:

Escape masks shall be carried in the process area, the tank park and during loading and unloading areas where hydrogen sulphide may occur.

Nynas provides escape masks to contractors/consultants/visitors who will be staying in these areas. The escape mask is Nynas property and must be returned after completion of the work/visit (two types are available).



Red mask Dräger 15 min
Green mask mini Scape 5 min



Portable gas detector shall be carried by all those working in the process and the tank park area, as well as during unloading and loading areas where H₂S may occur.

Nynas provides portable gas detectors to Nynas employees, visitors, consultants and hired personnel. Contractors who constantly work at site and larger projects are responsible for providing their personnel with gas detectors.

Lending to visitors and temporary contractors is made by the Nynas manager or host. The lending form can be found in routine NMS 006089 Management and allocation of responsibility of gas detectors.

Flame-retardant clothing shall be worn in the process area where contact with hot surfaces or flows may occur.

Safety shoes should be antistatic and ankle version where there may be a risk of spillage of hot fluid.

Close-fitting goggles shall be used when handling chemicals and when carrying out work that involves flying particles e.g. cutting, drilling, high-pressure spraying

Life jackets are required on quay decks and connecting areas such as dolphins, walkways, and mooring points.

Life jacket is also required when working by the shore or off boats, barges, etc.

Life jackets worn while working (except for inspections) must be approved according to SS-EN 396-150N. Life jackets worn during inspections must be approved according to SS-EN 396-100N.

Exemption from life jacket requirements:

- Employees on board.
- Visitors to ships.

4.7 Fire, accidents, and alarms

To ensure verification of evacuation, information is required regarding people present in the affected area. It is therefore important to use your own access card in the card readers, both outside and indoors. Special requirements are available for contractors in the process area, see section Evacuation alarms and signal systems in the process area.

4.7.1 How to act in case of an emergency

Anyone who detects an emergency shall:

- Make an emergency call
- Help people in need
- Try to eliminate the danger
- Get help

The refinery's emergency services are notified on telephone number 08-520 652 22, internal number 5222. The number goes to RCSL (Rescue Centre in Stockholm County). They alert out the resources needed according to special instruction.

If an ambulance is needed start with calling 08-520 652 22 (or 5222) and immediately after that call 112. Personnel from Nynas will meet the ambulance at the entrance to the refinery and guide the way to the place of the accident. The refinery rescue Services can provide life-sustaining assistance and guide ambulance therefor no other emergency numbers shall be used as it might delay the rescue.

When making an emergency call:

- State who you are
- State where you're calling from
- Describe the emergency situation
- Speak calmly and clearly
- Make sure your message is understood. Require confirmation.

Nynas emergency service shall be notified as soon as possible in the event of minor fires even if the fire has been extinguished by operating personnel or others.

Accidents and incidents must be reported in Nynas deviation management system. Events involving personal injury, risk of serious injury, fire or environmental impact shall be reported to the HSSE department as soon as possible.

4.7.2 Evacuation alarms and signal systems in the process area

Local light and sound alarms in the process area are tested every day at 13:00. Evacuation alarms for evacuation of the process area are tested every day at 13:00. A major alert to the Refinery's Emergency Services are tested Thursdays at 18:00.

Supervisors for contractors who performs work in the process area shall daily at the beginning of the work fill in their contact details on the board Contact list Supervisors which is located at the Work Permit office.

In case of evacuation, evacuate the process area and go to the evacuation point at the parking lot outside the grey barracks, follow the evacuation instructions.

Supervisors for contractors are responsible for the calculation of employees and hired subcontractors and reporting to Nynas Evacuation Leader.

4.7.2.1.1 Local evacuation alarms in the different process plants



There are local visual, red and white flashing lights, evacuation alarms in the process plants, and in WWT and O12527. If the local evacuation alarm is activated in the process plant where you are, you must immediately:

- stop the work, turn off the motor vehicle and leave the starting key in the ignition before
- leave the workplace and go to CKR for information.

4.7.2.1.2 Evacuation alarm for the entire process area



The evacuation alarm for the entire process area is a sound and spoken alarm in the form of a 10 s long signal followed by "Utrym området" ("Evacuate area"). In addition, all local light alarms in the process plants are activated.

When the evacuation alarm sounds, you shall immediately:

- stop your work, turn off the motor vehicle and leave the starting key in the ignition
- use the escape mask if you feel a respiratory irritation or a strong smell of rotten eggs
- leave the process area on foot the quickest way out.

Note! Always consider the wind direction when choosing the way out and pay attention to indication of gas occurrence.

Use, if it is safe, any of the readers to record your exit from the process area or alternatively the reader at the evacuation point at the Grey barracks.

Follow the instructions at the evacuation point.

Nynas personnel who are a part of the Nynas rescue team must

Nynas personnel who partly are employed at Nynas rescue services (Raffinaderiets Räddningstjänst) must inform the central control room when leaving to take part in an emergency response.

4.7.2.2 Other signal systems



There are red light signals at some of the roads leading to the process area. When these are activated (red signal), the process area is sealed off and the signal must not be passed in the direction of the CKR/process area (see image).

4.7.2.3 Specific rules for the operation in the event of an evacuation alarm

Shift supervisor and IL decides if the production group cars parked on the parking lot outside the central control room can be used for driving along A-road and outside the process area. Shift Supervisor decides if gas measurements must be carried out during the use of the cars.

Cars located in the process area may only be used after a decision from Shift Supervisor or IL. Decision must include the driving way and ensured gas-free area.

4.7.3 Fire alarms in buildings



In office buildings, laboratories and certain other buildings, smoke, gas and high temperature detectors are installed. In case of fire or smoke development, the detectors will be triggered and emit a local alarm of fire bells and send an alarm to the Refinery rescue Services.

Leave the building and go to the assembly point indicated on the evacuation plan in your location.

4.7.4 Other alarms in buildings

Gas Alarm - In and outside the pilot hall (building 145, room 11) gas alarms with flashing light for hydrogen (blue) and hydrogen sulfide; H₂S (orange). Evacuate the premises if any of these alarm goes off. Notify staff of Process Technology and obtain approval from the person in charge (Team Leader Pilot plants or Manager Process Technology) before entering the room again.

Alarms of low oxygen level - Alarm at low oxygen level, 19%, in room 218 at the laboratory (building 202). This sound and light alarm has two sirens (low / high), and white and red flashing lights. When the alarm is activated leave the room.

4.8 Coordinating the work environment

When several companies/employers carry out work in the refinery area, Nynas AB is responsible for coordinating of the work environment. In the refinery area there are five different types of coordination responsibilities.

- The work environment coordinator is the person who has the main responsibility for coordination-related issues in the refinery area
- The work permit issuer is a person who coordinates the work environment and risk issues in a defined work permit.
- In larger projects, an HSSE coordinator may be appointed and can replace the work permit issuer in questions related to work environment coordination
- BAS-P is the construction work environment coordinator and is appointed when construction work occurs and is responsible for HSSE coordination in the planning and design phase
- BAS-U is construction work environment coordinator during the construction phase

Examples of when coordination in the refinery area is needed:

- Design work with external involvement,
- Contracts (new construction, rebuilding, expansion, demolition.) where the activity is not clearly defined from other operations.
- Execution of service agreements (maintenance of compressors, pumps, plumbing facilities),
- Other activities when external persons are to move without escort.

All contractors still retain their employer's and work environment responsibility in relation to their own employees. This includes, among other things, providing personal protective equipment, ensuring compliance with Nynas safety regulations, reporting of accidents and incidents to the coordinator and, when relevant, to the authority

In cases where temporary staff and consultants are managed by Nynas, Nynas has responsibility for the work environment but not the employer responsibility for their employees.

4.9 Work permit

4.9.1 General

Permits are required for all work except for the daily work that takes place within each line organization. This means that special permits must be applied for new, rebuilding, maintenance, and demolition work throughout the refinery area.

Whether a workplace is far from or close to a plant, cistern, pump house, loading/unloading or pipe rack, you cannot make a complete warranty against uncontrolled interference. As a rule, if smell of gas or other signs of gas or liquid leakage are noticed the work with welding, grinding, cutting, etc. must be stopped immediately. The power supply shall be cut to all machines. Engines for vehicles, cranes, shall be stopped. Shift manager or HSSE department shall be notified immediately.

For information on procedures for work permits see NMS 002001, Work permit.

4.9.2 Fire guard in connection with hot work

The need of fire guard is decided by the Work permit approver. The fire guard shall carefully consult the conditions of work and general rules for fire guards.

When a contractor carries out work requiring a fire guard, the contractor shall provide it. Fire guard instruction can be found in NMS 002001, Work permit.

4.9.3 Work in confined areas and pits

This includes tanks (not "förrådscistern" or clean tanks with drive through access), containers, furnaces, wells, and pits deeper than 1.2 meters. For further definition see NMS 002001.

In confined areas there is a risk of lack of oxygen with a risk of suffocation. Before entry, the oxygen level shall be checked, and it must be ensured that no poisonous gases are present. These checks are carried out by a person certified to gas measurements. The oxygen level shall then be continuously monitored.

To prevent unauthorized persons from entering an enclosed space, openings should be signposted, see below. The sign means that no one is allowed to make an entry without a valid work permit.



A rescue plan must always be in place before entry can take place.

An entry permit shall always be obtained for access, and there must be someone outside (a hatch guard) who knows where you are - someone who has undergone the proper training, has good information and knowledge about the work being carried out inside the confined area, and can get help if necessary. Any exceptions from the hatch guard requirement must be expressly stated in each entry permit.

Before entry into a confined area, connected to a process system, the confined area must be blinded off, see NMS 002497.

4.9.4 Working with explosives (blasting)

Special rules apply to working with explosives. See NMS 001872, Sprängningsarbeten inom Nynas raffinaderi i Nynäshamn (Blasting within Nynas refinery in Nynäshamn).

4.9.5 Overtime work for contractors

If overtime becomes necessary on weekdays between 16.00 and 07.00 hours and during weekends, this should be indicated in the relevant work permit.

4.9.6 Check after work completion

The work management in charge of any completed work is responsible for ensuring that the working place is inspected after the work has finished. It is of particular importance to check that there are no fire hazards, that the power has been cut, that the vents on any gas tubes have been turned off, and that all gas tubes are in their designated places.

4.9.7 Temporary buildings (Staff rooms for contractors, cabins and storage rooms)

The establishment of staff rooms/cabins, materials and prefab-sites is the responsibility of the Real Estate Engineer and requires an approved work permit. A risk assessment, taking all possible hazards into account, must be made and documented before the placement of staff rooms/cabins. The risk assessment shall be reviewed by the HSE department

In long-term construction assignments, contractors normally have their own staff cabins. In case of short contracts Nynas can, subject to availability, offer dressing and shower facilities.

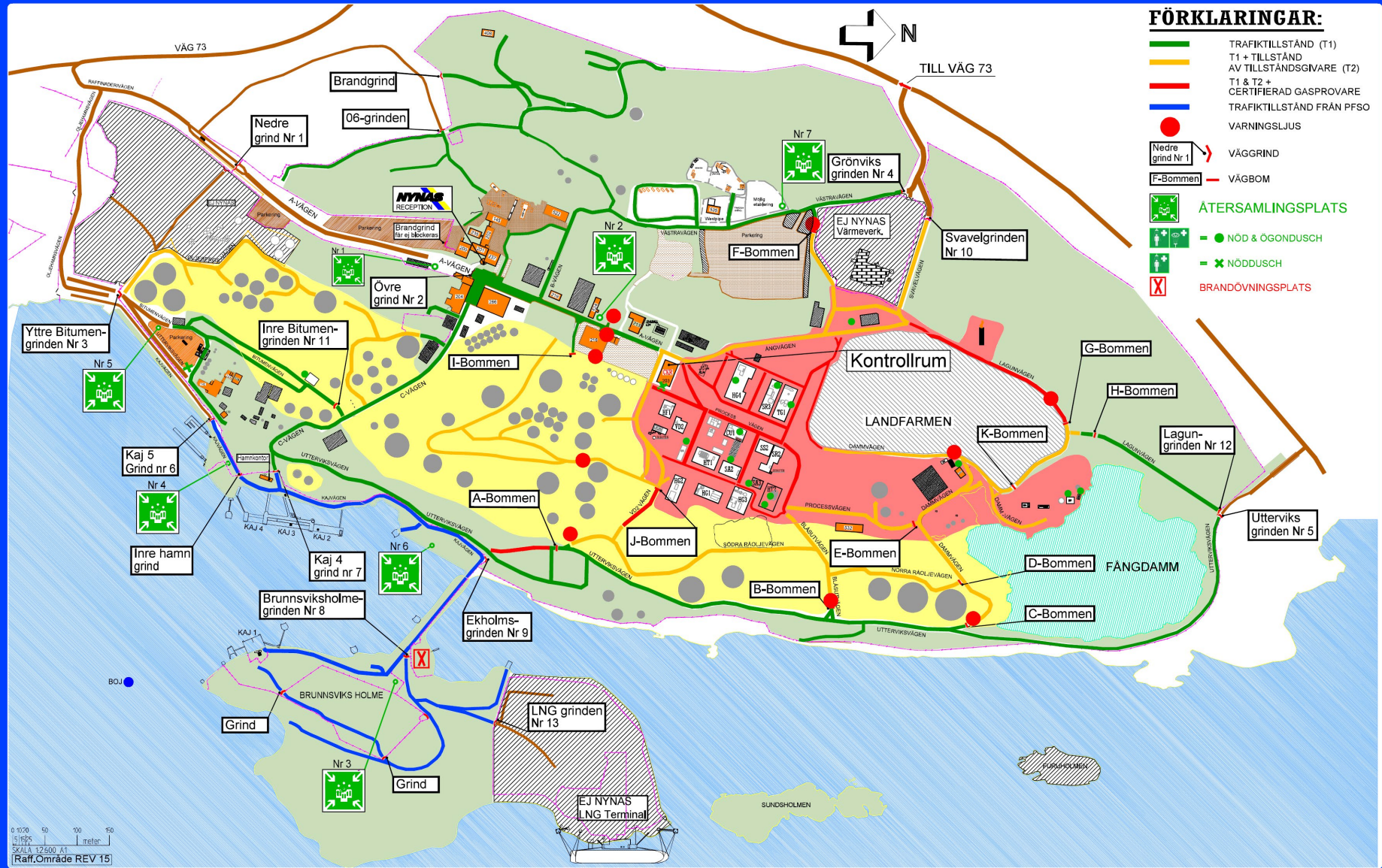
In general, wooden buildings may not be set up in the area. Wooden posts may be approved if other material is non-combustible. In exceptional cases, wooden cabins a cladding of metal may be used under permission by the HSSE department.

Temporary buildings must not block access routes for emergency vehicles. Buildings must not block fire hydrants, foam injection points, other equipment or in any way obstruct emergency procedures.

Temporary buildings placed in the immediate vicinity of a process plant, subject to the risk assessment performed, must not be used when the process plant is in operation.



RAFFINADERIOMRÅDE



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meter
SKALA: 1:2500 A1
[Raff.Område REV 15]

4.10 Appendices

4.10.1 Appendix 1

*Minimum EU rules for the protection of those who do work in an explosive environment are in Sweden's implementation (directive 1999/92/EC):

" By the Swedish Electrical Safety Authority's regulations (ELSÄK-FS 1995:6) on electrical equipment for an explosive environment and the Swedish National Board of Occupational Safety and Health (AFS 1995:5) with regulations on equipment for explosive environments, equipment and protective systems have been divided into equipment groups and categories of equipment.

In hazardous areas with explosive atmospheres, only equipment and protective systems belonging to equipment group II may be provided regulations.

In each zone, equipment categories 1, 2 and 3 may be provided as follows:

- in zone 0, equipment category 1 is only,
- in zone 1 equipment category 1 or 2,
- in zone 2 equipment categories 1, 2 or 3.'

This is quoted from Section 8 of the Regulations (SRVFS 2004:7) on the hazardous environment for handling flammable gases and liquids.

** Proclamation (1969:84) on police use of firearms

1 § There is a right to emergency protection under Chapter 24. 1 of the Penal Code, the police officer may use firearms to ward off more severe violence against the policeman himself or other or threats that pose a serious danger of such violence.

2 § If in a case referred to in Chapter 24, Section 2 of the Penal Code or section 10(1) (2) of the Police Act (1984:387) is necessary to intervene immediately, the officer may use firearms to:

1. arrest anyone who, on probable cause, is suspected of

- (a) murder, manslaughter, aggravated assault, aggravated assault or kidnapping;
- (b) rape, aggravated rape, rape of a child, aggravated rape of a child, robbery or aggravated robbery;
- (c) arson, aggravated arson, general dangerous destruction, sabotage, aggravated sabotage, hijacking, maritime or aviation sabotage, airport sabotage or spreading of poison or infection;
- (d) rebellion or armed threat to lawful order;
- (e) high treason, incitement to war, espionage, aggravated espionage or treason;
- (f) serious drug offences or serious drug offences;
- (g) trial or criminal preparation for offences which have now been mentioned;

2. prevent anyone from escaping or arresting anyone who has escaped, if he or she is detained, arrested or arrested for offences listed under 1 or if he or she is convicted of such a crime to prison and in carlocked in prison;

3. take care of a person who, due to serious mental disorder or possession of weapons that are feared to be abused or for any other reason, is obviously dangerous to someone else's life or health. Regulation (2017:338).

7 § Before using firearms, he must pay particular attention to the risk of injury to outsiders. Gunfire in the area, where many people live or reside, shall for the longest be avoided.

Before firing shots, the officer shall give a clear warning by appeal, if such warning is not unfit. If firearms must be used, the officer shall, when circumstances do not oblige otherwise, first fire warning shots.

In the event of a shooting against a person, it shall be sought to neutralise him only for the time being.

4.10.2 Appendix 2

Additions to Section 4.3.1 for Nynas Internal Use:

Alcohol tests of all those involved in a traffic accident are done in order to be able to demonstrate or, above all, be able to rule out that alcohol is the cause of the incident, see NMS 004752, in particular Swedish action plan. The safety manager, site manager or emergency manager does not need to be consulted if alcohol tests should be done in the event of a traffic accident.