



Borealis Polymers Oy  
Fenol- and Aromatics production

14.11.2024

## **EXEMPTIONS TO SAFETY GUIDELINES - AND PRACTICES FOR TURNAROUND IN PHENOL AND AROMATICS PRODUCTION 2025**

### **1.**

#### **General**

This instruction defines the turnaround exceptions to the existing instructions and personnel responsibilities of Borealis Polymers Oy and Phenol and Aromatics Production.

### **2.**

#### **Driving permit policy**

Separate driving permits will be issued for the turnaround area for the duration of the turnaround. Driving permits are issued by:

Juha Mikkola 050 3794 323. [juha.mikkola@borealisgroup.com](mailto:juha.mikkola@borealisgroup.com)

Sami Joronen 050 3794 250 [sami.joronen@borealisgroup.com](mailto:sami.joronen@borealisgroup.com)

Driving permits are issued for the transport of material / tools. Transport of persons in the turnaround area is prohibited.

### **3.**

#### **Use of personal protective equipment 22.4 - 21.5.2025 or until the construction site is terminated.**

When opening the flanges of equipment / tanks / columns or pipelines for the first time, the protective equipment specified in BOY-2047, ARO-6516 and the Construction site safety plan the turnaround must be used. Also applies to the removal (openings) of end flanges and blinds installed during turnaround.

In Phenol and Aromatics production turnaround should always be used

- Chemical gloves and goggles type eye protection.
- High-heeled safety footwear meeting the requirements of EN ISO 20345, without textile laces or any other element into which chemicals could be absorbed.
- There is no requirement for hearing protection in the turnaround area, unless the work itself requires it. Hearing protectors must be worn in areas where noise exceeds 85 db.
- The use of a protective helmet chin strap is mandatory.

As an exception to ARO-6516 instructions, high-heeled closed-toe safety footwear meeting the requirements of EN ISO 20345 may be worn with safety clothing 1 and 2.

Any exceptions to the use of protective equipment, e.g. the need to wear impact protection gloves, must always be specified in the work permit. All exceptions are defined by the work permit issuer.



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#### 4.

##### **Work permit procedure**

The persons authorized to issue work permits and hot work permits during the turnaround:

**A-area** Mika Jormanainen and Janne Kiiski

**B-area** Ari Lakka and Tuomo Tillander

**C-area** Albert Fredriksson and Antti Puurunen

**D-area** Matti Hänninen and Joni Hovi

**E-area** Jesse Kettunen, Janne Heino and Ville Osmala

Turnaround work permits and hot work permits for the Phenol and Aromatics production areas are also issued by the persons authorized to act as shift responsible.

Joni Suomi  
Markus Värri  
Mirco Brant  
N.N, to be confirmed later

#### 5.

##### **Exemptions for the use of non-EX protected equipment 22.4. - 21.5.2025**

The following equipment may be used in the Phenol and Aromatics production turnaround area without special permission:

- GSM phones
- Cameras without Ex-protection (photography requires a photography permit)
- Ex-protected walkie-talkies
- Ex-protected hand-held lamps
- Ex-protected measuring devices

The power stations on the field are open and their use is not subject to authorization.

Exceptions do not apply to turnaround in the Phenol and Aromatics Intermediate storage and product Storage areas.



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**6.  
Principles of nitrogen use**

Use of nitrogen is only allowed with the permission of Borealis operating personnel.

**7.  
Utilities**

**The use of utilities other than working air without a production permit is prohibited.**

**8.  
Industrial water**

The industrial water line inside the plant does not meet the quality standards for domestic water intended for drinking. **DRINKING INDUSTRIAL WATER IS STRICTLY PROHIBITED !!**

**9.  
Photography in the area**

Photography in the area always requires a permit according to BOY- 5007.

Approved \_\_\_\_\_  
Fenoli- ja Aromaattituotanto  
käytönvalvoja

Date \_\_\_\_\_