



## RESIDENT FOLDER

### Pipe renewal.



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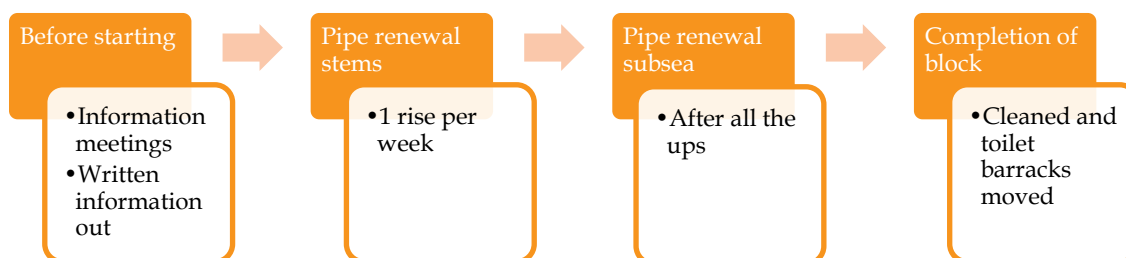
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## INFORMATION

Aqua Rørforning has entered into an agreement for Rørforning in your home.

When we enter your apartment, we will plaster the apartment and the work on Friday will end with cleaning your apartment. There will first be a week where water and sewage will be shut off for each riser.

During the period we are working, all water and sewage will be shut **off**.



During the project, we will hang information in all hallways. We also have a website where it is possible to order new plumbing equipment if anyone needs it and replace it while the water is turned off.

<https://www.aquarorservice.no/rehab>

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*We will try to make this stressful period as easy as possible for you.*

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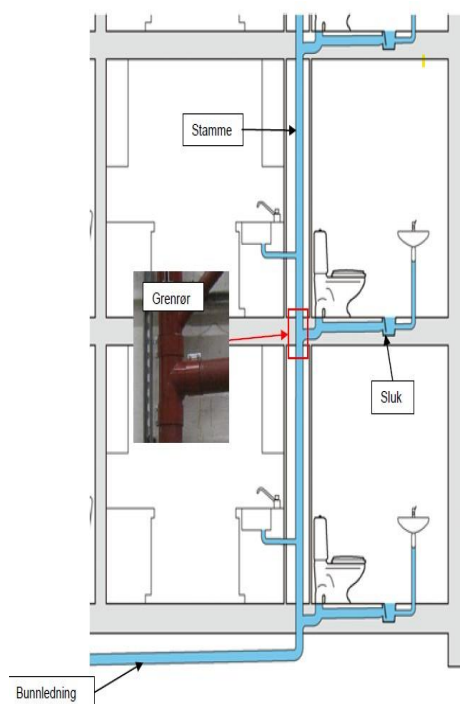
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## WHAT IS PIPE RENOVATION?

Pipe renewal with sock lining (sock renovation) is a good and safe method for maintaining sewer pipes. Instead of removing the old pipes, the sewer pipes will be mechanically cleaned inside and then renewed with a specially sewn sock that is pulled through the pipes and treated with epoxy. In practice, new pipes are cast inside the old ones in this way. This involves minimal intervention in the apartments, while at the same time the lifespan of the new pipes will be up to 40 years

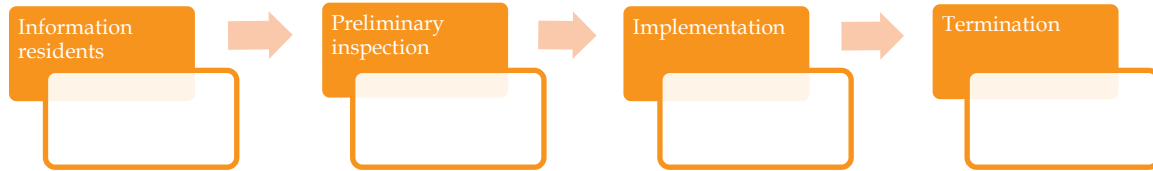
What is being done?

- The work includes both trunks and bottom pipes.
- Drain pipes will be renewed, from ventilation to the ceiling, and even bottom pipes.
- All drain pipes will be cleaned and high-pressure flushed.
- Pipe renewal will also include drains to the toilet, drains and kitchen drains. The toilet and pipes associated with this will be dismantled and reassembled after completion.
- Dismantling/reassembling of water traps (pipes under the sink) and stopcocks.
- Finally, a camera inspection of the work carried out will be carried out.



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## BEFORE STARTING



### Information for residents:

A residents' meeting will be called. Here everyone can ask questions they want answers to regarding the project. This will be carried out well in advance of the start. In addition to meetings, there will be a website with current information, and opportunities to ask questions via email or telephone if desired. There will also be regular newsletters to inform residents, and information boards will be hung in the hallways.

### Preliminary inspection:

We will send information about a preliminary inspection of the apartment one to two weeks before commencement. This inspection involves mapping the work that must be done in order to carry out the actual pipe renewal.

The preliminary inspection will take approx. 20-40 minutes.

### Access to the apartment:

BL must obtain consent from all residents that we have access to the apartment during the week we will be carrying out the work with pipe renewal, alternatively the resident must be home during the day the entire week the work is in progress.

Any pets must be locked in rooms we do not use as the outer door will be open for bringing in and taking out equipment.

## IMPLEMENTATION:

Working hours in the apartments:

We work Monday-Friday 08:00-16:00.

The week we are in your apartment there may be work throughout this period, even if we are not physically in the apartment.

On Monday, your apartment should be cleaned so that there is access to all drains and sewers.

We will then plaster the apartment, but some dust may come, so if you have valuable items, it is recommended to put them in a closed room.

Temporary toilet and shower:

A short distance from the apartments, a barracks with two rooms will be set up: one with a shower + bench and one with a toilet. You will be given a key to the barracks in advance. We will collect these when we are finished in your apartment. It is important that all residents are good at locking the barracks so that this does not become a place for anyone other than the residents. Parents must ensure that children do not use the barracks as a playground. Residents who cannot use the shower/toilet barracks due to special needs must contact the home services in the district, or possibly hold a dialogue with the board of the Housing Association to assess the need for a portable toilet. This is organized either by BL or home services

After work is complete:

It is important that residents monitor the days after we have been there, there are a lot of old pipes and connections that have been there for a long time. When we dismantle and reassemble, leaks can occur, so it would be great if you would take an extra look even though we always come for a follow-up inspection.

These are the areas you need to monitor in the days after

- Toilet faucet.
- Drain under sink in kitchen and bathroom.
- Water heater
- Any other places where water comes in.

## What do I need to have ready for startup?

1. Clear the drains and gullies in the kitchen, bathroom and toilet so that they are easily accessible
2. Remove loose objects near work surfaces
3. Report any special needs
4. Report any epoxy/polyester allergies
5. Keep animals locked up in bedrooms or similar.

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## IMPORTANT INFORMATION FOR RESIDENTS

We will soon start pipe renewal work at your location. In connection with this, we are sending you this information and it is important that you read it carefully.

1. Even if we are not present in your apartment, we can work on the installation of your pipes, as this is then carried out by robot. You must follow the given notifications about closed water and sewage.
2. Pipes of particularly poor quality, or other challenges may result in unexpectedly longer production times and additional burden for residents.
3. The notified/informed time for production that affects the individual apartment may be changed due to unforeseen problems/challenges.
4. The various works may be carried out at different times. This means that the work may cease for periods, and then start up again later.
5. In some cases, we will have to return to apartments to carry out improvements. These are revealed by running camera checks of the work that has been carried out
6. There may be periods when we are not working at the facility due to the production of products to be installed. Pipe renewal is the installation of specially adapted products.
7. In some facilities, improvements may have been made that, based on experience, are of different quality, workmanship, materials and dimensions. This may prevent us from carrying out satisfactory pipe renewal. This will be handled via technical deviations.  
Examples may be improvements that end in the middle of an old pipe and are not discovered until we install a new hose.
8. When installing a new water trap (pipe under the sink), drip leaks may occur. This is normal for new installations and can be corrected by tightening all connections after a period of use.
9. Old water traps and stopcocks (on e.g. WCs) are often in very poor condition and rarely withstand regular disassembly and reassembly. This could cause leaks. It is normally the residents' responsibility to ensure that this is of satisfactory quality.

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10. We ask all residents to be careful and take normal precautions and show understanding that construction work is underway. We ask that children be accompanied by adults in areas where work is in progress. Close contact with equipment, machinery and chemicals can be dangerous. If in doubt, contact us.

11. Pay particular attention to the following points, as these may have financial consequences for the individual resident.

- Use of water and sewage when work is in progress.
- Preventing access to the apartment
- Vandalism of equipment/installations.
- Disconnecting power to generators and the like.
- Not following the guidelines/notifications.
- Demanding undocumented emergency calls.
- Accusations and demands for unjustified compensation for damage or the like are violations of Norwegian law.

12. Special needs for individual residents and particularly close follow-up by a home nurse, extra toilet or the like must be reported to the housing association/community in advance.

13. If any residents have an epoxy or polyester allergy, a statement from a doctor must be sent to the housing association/community, who will inform us.

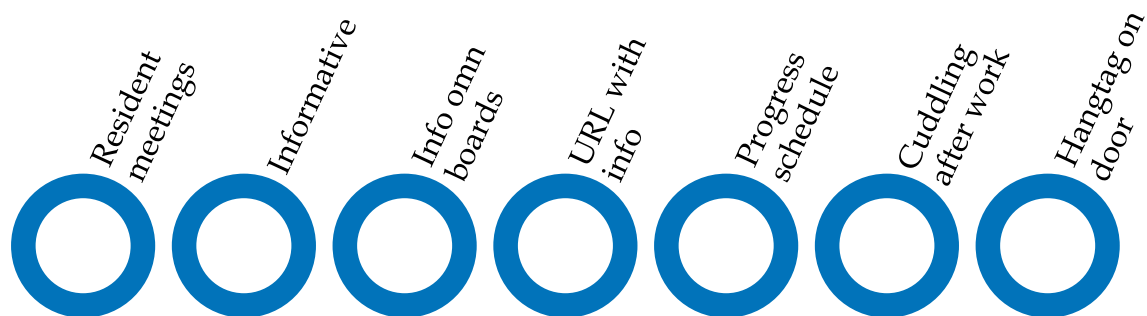
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## INFORMATION PROCESSES FOR RESIDENTS



### Cuddling after work

**VI HAR UTFØRT  
RØRARBEIDE  
I DIN LEILIGHET**

Dersom du lærer på noe eller oppdager ting som ikke er som det skal med vann eller avløp, ta kontakt med oss.

**Akutt 92647200**



### Resident info

**VIKTIG INFORMASJON**

Det skal Rørformys avløpsledning i din oppgang  
Det skal gjennomføres forbereding XX.kj.YY

Din leilighet vil få stengt vann og avløp i følgende periode

**Man 08.05.23 – fre 12.05.23**  
**HELE DØGNET**

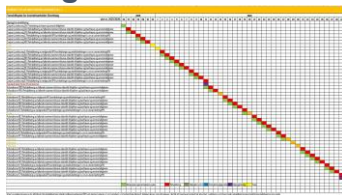
Avløp fra WC, kjøkken, dusj, vaskerom etc. må ikke benyttes i denne perioden  
Vann og avløp er åpnet i helgene

Bruk av avløpssystemet kan medføre store ekstra kostnader til beboer.

Ved spørsmål kontakt  
Morten Heggernes 926 47 200



### Progress schedule



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## HEALTH – ENVIRONMENT – SAFETY

Aqua has good HSE routines. We have both digital and manual routines to ensure that HSE is taken care of. Aqua Rørservice is an approved training company and Miljøfyrtårn certified, in addition to STARTBANK



We follow strict routines to maintain good HSE in the workplace. We have crew lists in the barracks to document crew at work. On a daily basis, the team leader will be responsible for ensuring that the project is carried out in accordance with applicable rules and what has been agreed with each individual resident.

Before starting, the team leader will conduct a preliminary inspection, as well as prepare crew lists and a rig plan. At start-up, our employees will start by plastering the parts of the apartments that may be affected by dust and dirt. Photos are taken in the apartments before and after the work to document that the apartment is handed over in the same condition as before the work started. After the work is completed, we will take down the plastic and wash/clean up the apartments.

Digital HSE and KS system in Holte, for preparing good routines, checklists, inspection reports and other things that are needed. Everything can be retrieved and shared so that the project is transparent.

Epoxy allergy:

If someone knows that they are allergic to epoxy, this must be reported. Epoxy can cause allergic reactions such as eczema, redness and irritation. This is mainly triggered before the epoxy has hardened. This means that the period when epoxy is added in liquid form is the most allergy sensitive. When epoxy is hardened, it no longer releases dust that can cause allergies. Our employees follow all internal requirements to ensure this is safe. For residents, being out of the apartment can be an advantage if they are unsure.

## HMS tavle

**HMS Tavle**

Funksjonsområde til arbeidsplan	Vending ved stasjon	Riggerplan med henvisning til funksjonsområde	Varningsområde
Prosjektorganisasjon	Bemanningsskema	HMS Plan	Farefaktorer / Fare

Arbeidsplan: 113 10:00-11:00 Stasjon: 110  
Arbeidsplan: 73 10:37-00 Utløst: 22 09 13:00

## Riggplan

**RIGGPAN**

Ringveien Borettslag

Dato	Prosjekt	Stasjon	Arbeidsplan
11/11/2023	113	110	73

Arbeidsplan: 113 10:00-11:00 Stasjon: 110  
Arbeidsplan: 73 10:37-00 Utløst: 22 09 13:00

## Digital HMS/KS

22:30

HoltePortalen

Inspektør Rutiner Kjørsbuss Alle anvisninger Bedrift

Alle Side 10 Nærmeste

Søk i prosjekter...

- 2 - Stabeltor 4 Lada Torsholm 12 Nord Røgen Steinsbreen 4A, 7049 Trondheim
- 11365 - bytte av blandedbatteri på vasker...
- 11429 - 2 bad front
- 11474 - åre hytte
- 11479 - MONTERINGBAD ROM 106
- 11548 - Øvre Flatåsvet 43
- 11628 - Jarleborgveien 22a
- 11650 - Ivar reitens vei 19
- 11754 - avløp og overvann

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## I HAVE A QUESTION, WHO DO I CONTACT?



Questions related to the project:

POST@AQR.NO

When making inquiries, please write the number of the block and apartment number in the subject field.

Contact persons:

Project manager: Mergim Qerimaj tel. 934 86 505

### Upgrading?

Questions related to the project: [post@aqr.no](mailto:post@aqr.no)

If anyone is thinking of upgrading something in the bathroom or kitchen, this may be the right time to do so. Aqua Rørservice has created a website with discounted prices that can be ordered in connection with the project.

If you want something else, just get in touch and we will be happy to help you.

[https://www.aquarorservice.no/\\_rehab](https://www.aquarorservice.no/_rehab)