

MSCI Provisional ESG Rating
PFAS in Avinor

Trine Reistad (PhD)
Leader of the PFAS Programme
BKI - Sustainability Division

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AVINOR

PFAS in Avinor

PFAS in general

- Collective term for a large group of fluorinated substances – PFOS dominates
- The fabrics are water-, stain-, and grease-resistant and are used "everywhere"
- Used in industry for over 50 years in a variety of products – including firefighting foam
- It breaks down slowly in nature, accumulates in the body, and can be harmful to health.
    - Forever chemicals

Scope

- Airports are obliged to carry out regular fire drills in accordance with regulatory requirements
    - No fire drills = No airport operations
- All Avinor airports have one or more sites contaminated with PFAS due to previous use of firefighting foam
    - The largest sources are associated with fire drill fields, but PFAS is found everywhere
- PFAS has been found in soli, fresh-water, surface water, drinking water, recipients and lakes outside the airports and in biota (fish and shellfish).
- Avinor has always used legal products.
    - Avinor stopped using firefighting foam containing PFOS in 2001, seven years before it was banned

Expectations from the authorities

- The Norwegian Environment Agency considers emissions from Avinor's airports to be the largest source of PFOS spread in Norway
- Environmental authorities have a strong focus on these substances
    - Currently, cleanup is expected at 2 LH per year for 7 years – 14 LH (2021-2027)

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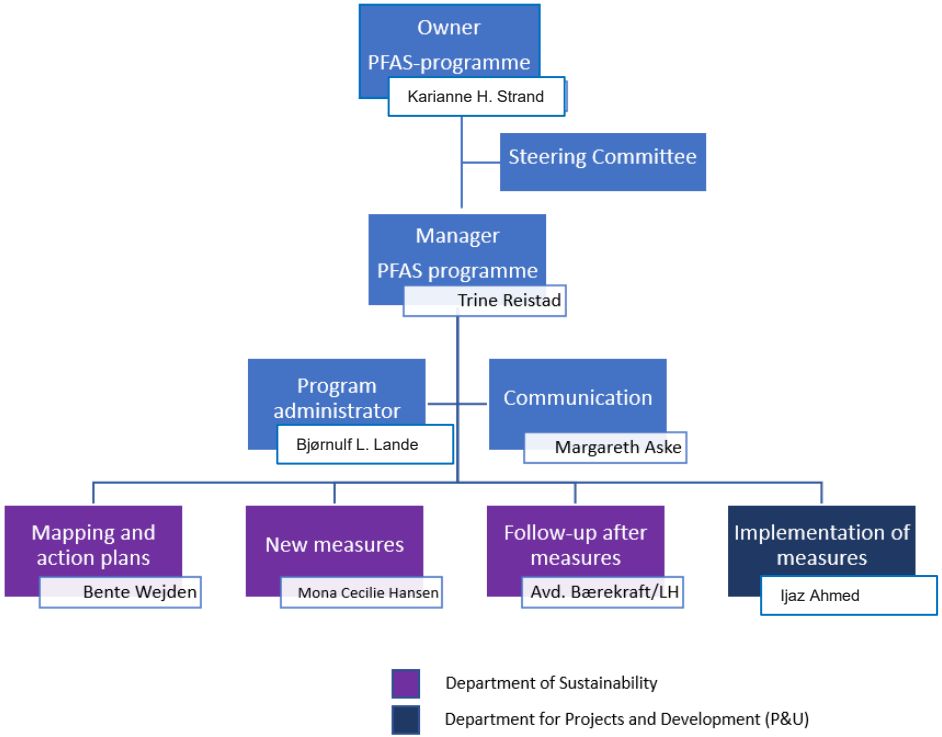
The PFAS program



The objectives of the program

Respond to orders from Norwegian Environment Agency's

Contribute to the national goal of reducing emissions of these environmental chemicals

Investigate the possibility for more cost-effectively clean-up. Without this being at the expense of environmental impact.

5 full-time positions dedicated to PFAS + consultants

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Accounting provision - PFAS clean-up

- The provision must reflect expected costs linked to clean-up in PFAS-contaminated locations
- Updated every quarter based on the latest knowledge and documentation in the form of mapping, action plans, final orders, implemented measures etc..
- Updated in close dialogue with the accounting department and auditor

The total accounting provision for clean-up – 1387 MNOK
As of Q3 2026 Avinor has used 802 MNOK on work related to PFAS

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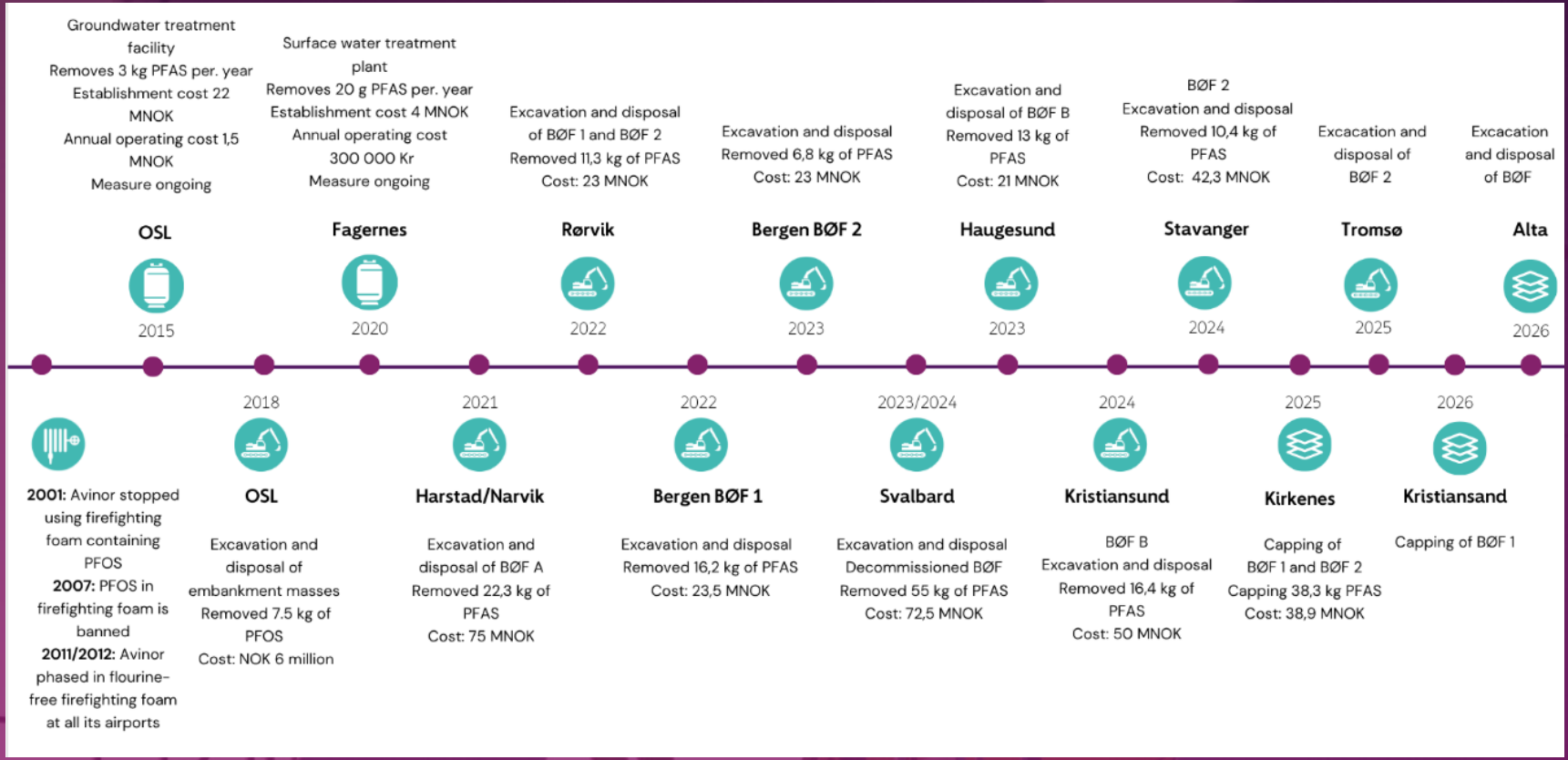
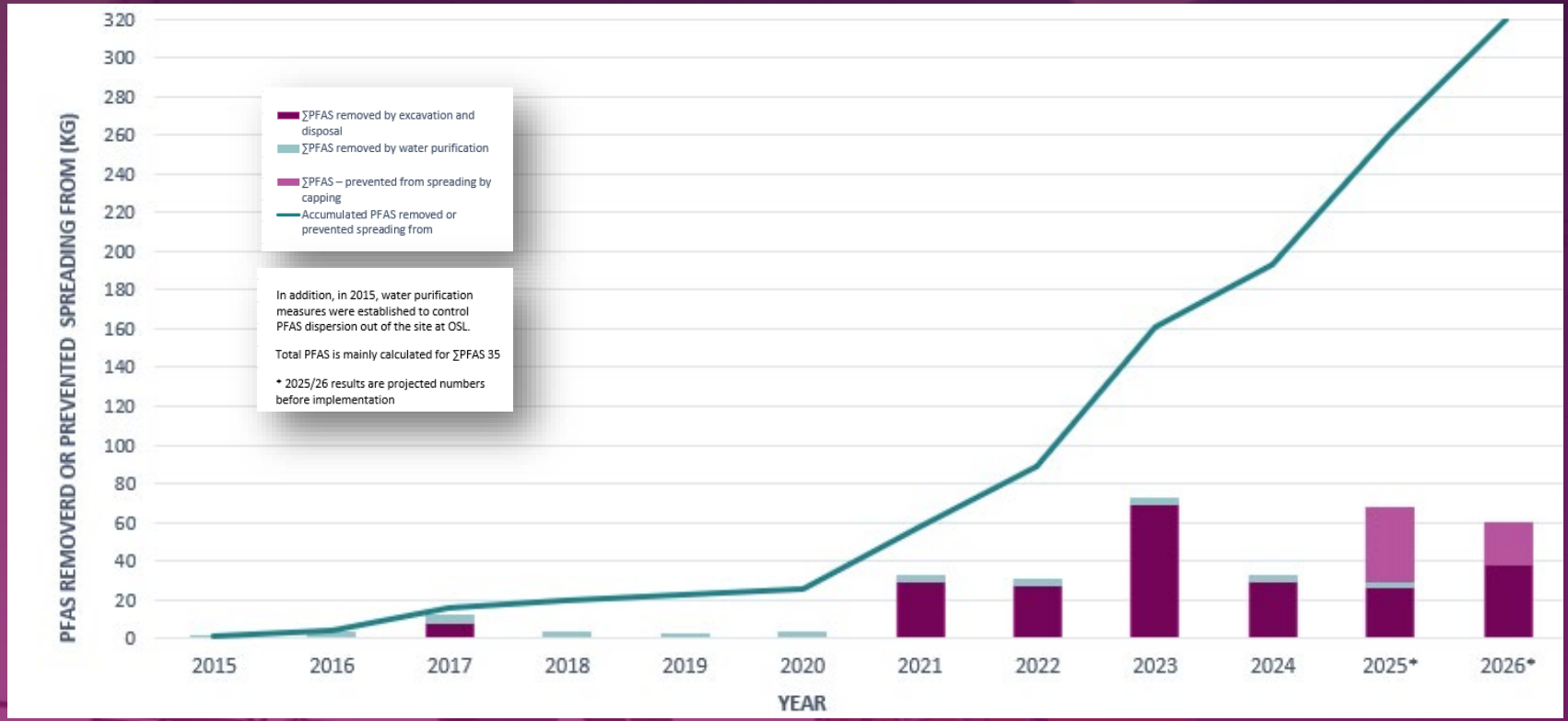

Groundwater treatment facility
Removes 3 kg PFAS per. year
Establishment cost 22 MNOK
Annual operating cost 1,5 MNOK
Measure ongoing
OSL
2015
Surface water treatment plant
Removes 20 g PFAS per. year
Establishment cost 4 MNOK
Annual operating cost 300 000 Kr
Measure ongoing
Fagernes
2020
Excavation and disposal of BØF 1 and BØF 2
Removed 11,3 kg of PFAS
Cost: 23 MNOK
Rørvik
2022
Excavation and disposal
Removed 6,8 kg of PFAS
Cost: 23 MNOK
Bergen BØF 2
2023
Excavation and disposal of BØF B
Removed 13 kg of PFAS
Cost: 21 MNOK
Haugesund
2023
BØF 2
Excavation and disposal
Removed 10,4 kg of PFAS
Cost: 42,3 MNOK
Stavanger
2024
Excacation and disposal of BØF 2
Tromsø
2025
Excacation and disposal of BØF
Alta
2026
2001: Avinor stopped using firefighting foam containing PFOS
2007: PFOS in firefighting foam is banned
2011/2012: Avinor phased in flourine-free firefighting foam at all its airports
2018
OSL
Excavation and disposal of embankment masses
Removed 7.5 kg of PFOS
Cost: NOK 6 million
2021
Harstad/Narvik
Excavation and disposal of BØF A
Removed 22,3 kg of PFAS
Cost: 75 MNOK
2022
Bergen BØF 1
Excavation and disposal
Removed 16,2 kg of PFAS
Cost: 23,5 MNOK
2023/2024
Svalbard
Excavation and disposal
Decommissioned BØF
Removed 55 kg of PFAS
Cost: 72,5 MNOK
2024
Kristiansund
BØF B
Excavation and disposal
Removed 16,4 kg of PFAS
Cost: 50 MNOK
2025
Kirkenes
Capping of BØF 1 and BØF 2
Capping 38,3 kg PFAS
Cost: 38,9 MNOK
2026
Kristiansand
Capping of BØF 1


PFAS REMOVERD OR PREVENTED SPREADING FROM (KG)
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
∑PFAS removed by excavation and disposal
∑PFAS removed by water purification
∑PFAS – prevented from spreading by capping
Accumulated PFAS removed or prevented spreading from
In addition, in 2015, water purification measures were established to control PFAS dispersion out of the site at OSL.
Total PFAS is mainly calculated for ∑PFAS 35
* 2025/26 results are projected numbers before implementation
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025*
2026*
YEAR

MSCI Provisional ESG Rating – Avinor AS Nov. 2026

Most recent controversies

Last update	Headline	Assessment	Type
Oct-26	Norway: Concerns over reliability of airport surveillance system raised following a drone sighting incident near Oslo Airport that reportedly caused temporary flight disruptions for hundreds of passengers	Moderate	Product Safety & Quality
Oct-26	Avinor Flysikring AS, Norway: Air traffic controllers strike over failed negotiations on wages and working conditions; parties reached an agreement and the strike ended	Minor	Collective Bargaining & Union
Oct-26	Norway: Alleged contamination of household drinking water by per- and polyfluoroalkyl substances from firefighting foam used at airports; compensation of up to NOK 350,000 reportedly offered to affected households	Moderate	Impact on Local Communities
Oct-26	Norway: Alleged environmental contamination of groundwater and soil by per- and polyfluoroalkyl substances from firefighting foam used at airports; Avinor ordered to clean up contaminated sites	Minor	Toxic Emissions & Waste

This table shows the most recently updated controversies fa
company's ESG Rating. For further details, See Controversies

Date: October 2026

Assessment: Moderate
Status: Partially Concluded

Norway: Alleged contamination of household drinking water by per- and polyfluoroalkyl substances from firefighting foam used at airports; compensation of up to NOK 350,000 reportedly offered to affected households

UPDATES: 01 Jun 2026: Drakk giftvann i årevis: – Det forsvinner ikke fra kroppen. [Drank poison water for years: "It doesn't disappear from the body"] (ABC Nyheter)

13 Jan 2023: Grimstad-naboer søker advokathjelp: – 350.000 kroner er ikke nok. [Grimstad neighbours seek legal help: "NOK 350,000 is not enough"] (Fanaposten)

22 Dec 2022: Avinor tilbyr å betale for rent vann på Grimstad. [Avinor offers to pay for clean water at Grimstad] (Fanaposten)

12 Apr 2022: Authorities demand that Avinor clean up: - But that does not ensure safe drinking water for us. [Myndighetene krever at Avinor rydder opp: - Men det sikrer oss ikke trygt drikkevann] (Fanaposten)

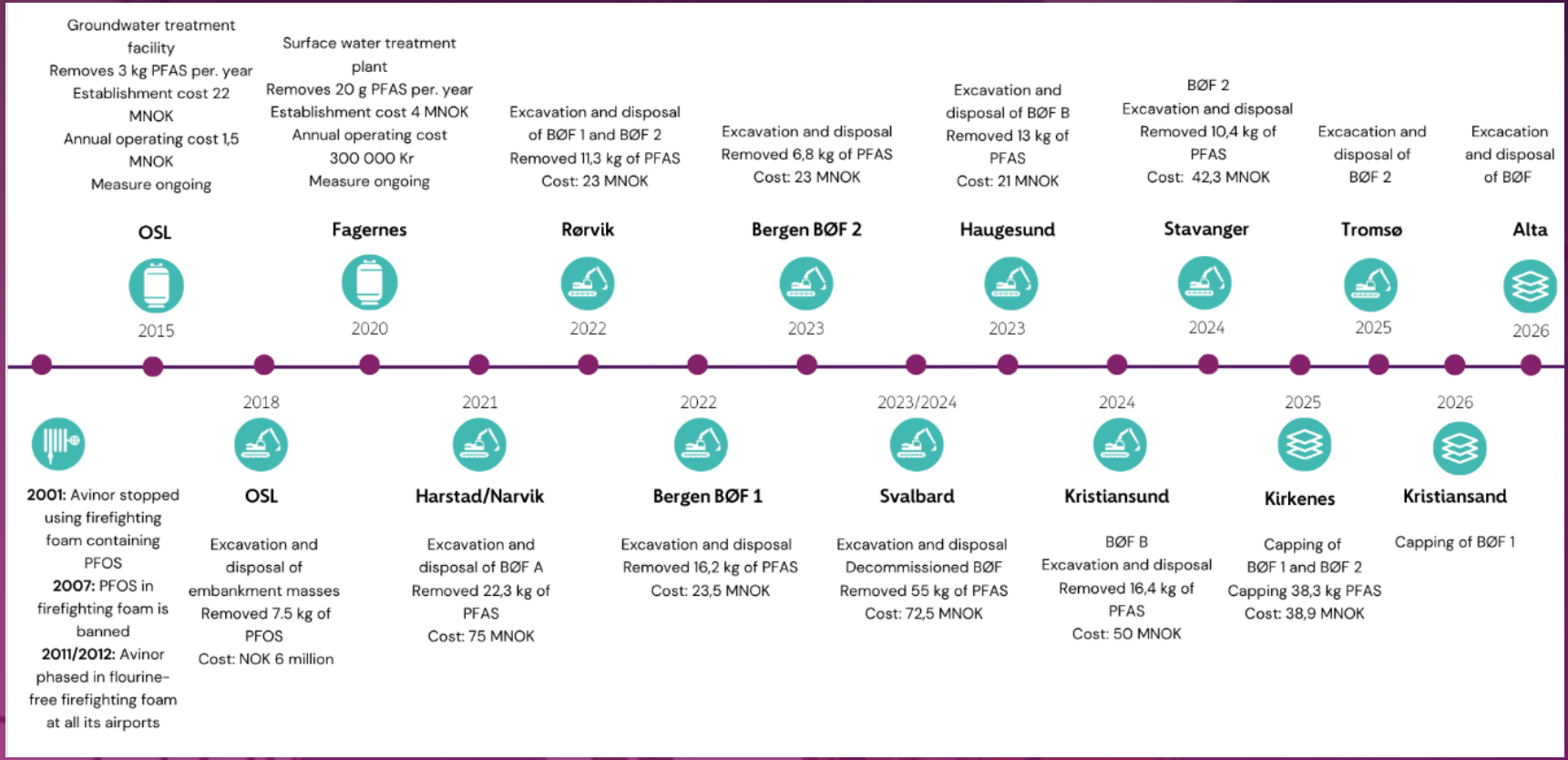
11 Feb 2022: Amalie (24) har drukket kjøpevann i ti år. [Amalie (24) has been drinking water for ten years] (NRK)

04 Feb 2022: Frederick og naboene fikk vite at drikkevannet er giftig. Nå etterlyser de tiltak fra Avinor. [Frederick and his neighbors learned that the drinking water is toxic. Now they are calling for measures from Avinor] (Fanaposten)

25 May 2020: Miljødirektoratet pålegger Avinor å fjerne forbudt miljøgift. [The Norwegian Environment Agency orders Avinor to remove prohibited environmental toxins] (NRK)

21 Jun 2018: Avinor bryter pålagt tidsfrist på landets mest forurensede lufthavn. [Avinor violates deadline at the country's most polluted airport] (NRK)

Source: 01 Jun 2026 (ABC Nyheter)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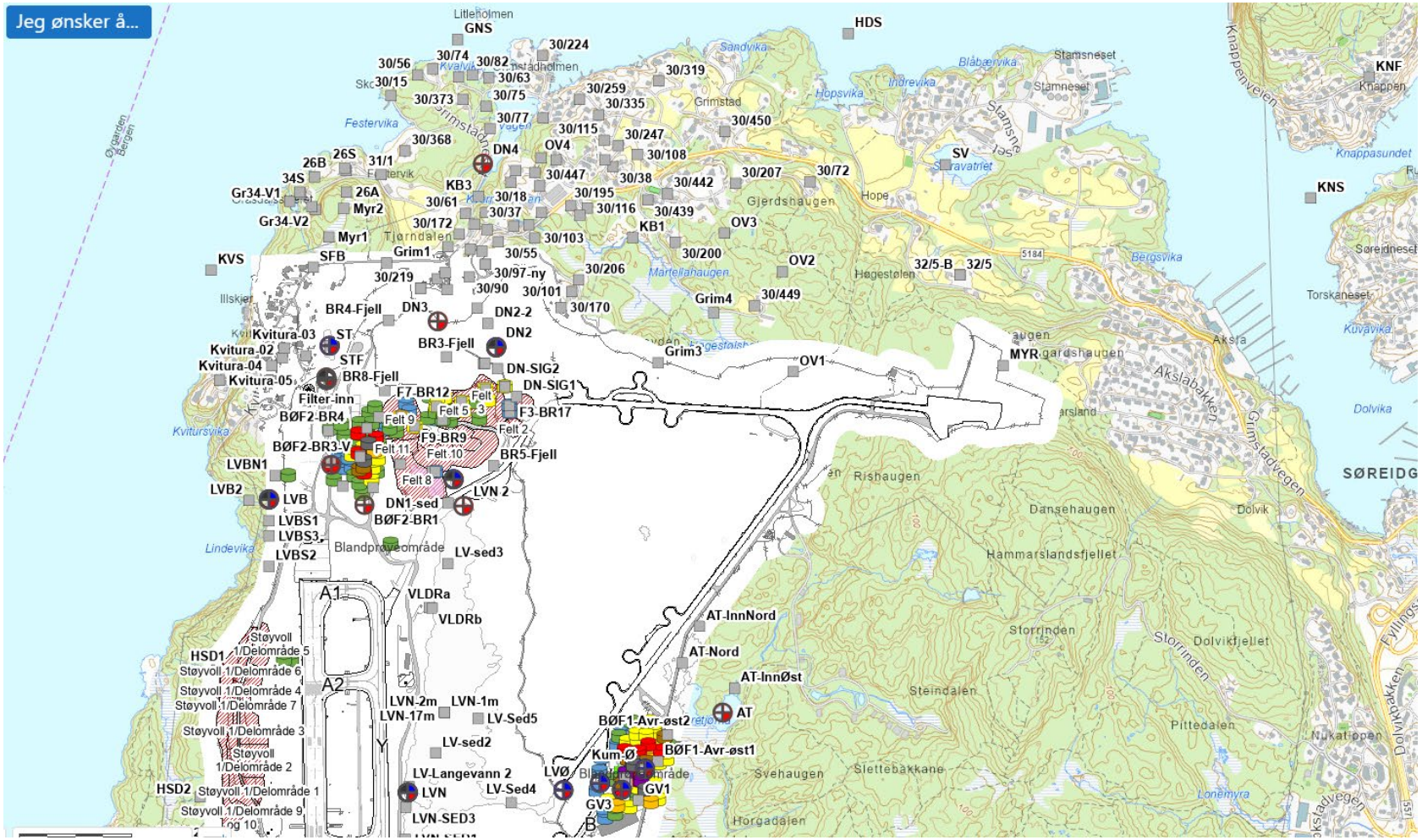
Drinking water case in Bergen

- 2020-2021 PFAS detected in private drinking water wells north of the airport
  - As a precautionary measure, all affected residents in the area north of the airport were offered free bottled water.
- A number of landowners engaged legal counsel with a view to bringing a mass claim for compensation.
- Avinor denied legal liability for compensation under the Pollution Control Act, as PFOS levels were generally low.
- Nevertheless, as a matter of fairness, Avinor offered an amicable solution involving a financial contribution towards connection to the municipal water supply, thereby providing access to clean drinking water.
- 142 landowners out of the 169 who received the offer have entered into agreements and have either connected, or are in the process of connecting, to the municipal water supply.
- All cases have been settled by mutual agreement, including a lawsuit brought by one landowner who initially did not accept the offer.
- Although the case received considerable media attention, Avinor is very pleased that the cases were resolved out of court through a practical solution that provides clean water rather than merely financial compensation.
- Our general impression from the matter is that the affected landowners are satisfied with how Avinor has handled the case.


Jeg ønsker å...
GNS
HDS
KNF
KNS
SV
KVS
MYR
SØREIDG
30/224
30/56
30/74
30/82
30/63
30/15
30/373
30/75
30/259
30/335
30/319
30/77
30/115
30/247
30/450
30/368
DN4
OV4
30/108
26B
26S
31/1
34S
KB3
30/447
30/38
30/442
30/207
30/72
Gr34-V1
26A
30/61
30/18
30/195
30/116
30/439
Myr2
30/37
Gr34-V2
30/172
KB1
OV3
Myr1
30/103
SFB
Grim1
30/55
30/200
OV2
32/5-B
32/5
30/219
30/97-ny
30/206
30/90
30/101
30/170
Grim4
30/449
BR4-Fjell
DN3
DN2-2
Kvitura-03
ST
DN2
BR3-Fjell
Kvitura-02
STF
Kvitura-04
DN-SIG2
Kvitura-05
BR8-Fjell
DN-SIG1
Filter-inn
F7-BR12
Felt 3
Felt 5
F3-BR17
BØF2-BR4
Felt 9
Felt 2
F9-BR9
BØF2-BR3-V
Felt 11
Felt 10
BR5-Fjell
LVBN1
Felt 8
LVB2
LVB
DN1-sed
LVN 2
LVBS1
BØF2-BR1
LVBS3
LVBS2
Blandprøveområde
LV-sed3
A1
VLDRa
VLDRb
AT-InnNord
AT-Nord
AT-InnØst
AT
HSD1
Støyvoll 1/Delområde 5
Støyvoll 1/Delområde 6
Støyvoll 1/Delområde 4
Støyvoll 1/Delområde 7
Støyvoll 1/Delområde 3
Støyvoll 1/Delområde 2
Støyvoll 1/Delområde 1
Støyvoll 1/Delområde 9
A2
LVN-2m
LVN-1m
LVN-17m
LV-Sed5
LV-sed2
BØF1-Avr-øst2
BØF1-Avr-øst1
Kum-Ø
LV-Langevann 2
LVØ
LVN
LV-Sed4
GV1
GV3
HSD2
LVN-SED3
Rishaugen
Dansehaugen
Hammarslandsfjellet
Storrinden
Dolvikfjellet
Steindalen
Pittedalen
Svehaugen
Slettebakkane
Horgadalen
Lonemyra
Nukatippen
Dolvik
Dolvika
Aksla
Akslabakken
Grimstadvegen
Knappenveien
Knappasundet
Bergsvika
Torskaneset
Kuvåvika
Sandvika
Grimstad
Hopsvika
Indrevika
Blåbærvika
Stamsneset
Festervika
Gjerdshaugen
Hope
Høgestølen
Martellahaugen
Tjørndalen
Kvitursvika
Lindevika
Illskjer
Øygarden
Bergen
Fyllingsdalen
Dolvikbakken
5184
5551

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From legacy contamination to responsible management

- PFAS contamination is a legacy issue resulting from the historical use of firefighting foam.
- Avinor has acknowledged the issue and taken responsibility for managing its consequences.
- A dedicated PFAS Programme ensures a systematic approach to investigation, mitigation and remediation.
- The Bergen drinking water case has been addressed and resolved through practical measures for affected parties.
- Avinor continues to actively manage the environmental and social impacts associated with historical PFAS contamination.
- ESG assessments should reflect not only the legacy contamination, but also Avinor's response and ability to manage it responsibly

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For more information about Avinor’s work on PFAS:
Rapporter PFAS i Avinor