

CONTAMINATED SOIL SAMPLING PROFICIENCY TEST

Work instruction

2025/Round M04

Dates of the 2025 contaminated soil sampling PT exercise:

02th October, 2025 (Thursday)

Location: 3594 Hejőpapi, Regional Waste Treatment Deposit (Hungary)
(premises of Hejőpapi I. Waste Treatment Center)

1. General information

1. Aim of the sampling exercise is to prepare laboratory samples for analysis of inorganic pollutants.
2. Participants sample the same waste depot, using their own equipment, following their routine protocol.
3. Participants are scheduled to work at 20-minute intervals.
4. The waste disposal facility hosting the exercise is in standard operation mode on the day of the proficiency test. All participants are required to respect relevant hygienic, health and safety as well fire safety requirements and to behave in a way that the **operation of the facility is undisturbed**.
5. After sampling, sampling **holes must not be reburied**.
6. Sample containers and sample transport is provided by QualcoDuna Proficiency Testing Hungary Nonprofit Ltd, Proficiency Testing Department. Subcontracted laboratory for analysis is Eurofins Environmental Testing Hungary Ltd, Laboratory which is an accredited for the tests in question.
7. Participants should prepare a **sample average**, then **three laboratory samples** on-site. Sample containers should be **labelled with name of the participant (entering proficiency testing sample code/Laboratory code is prohibited!**
8. Of the three laboratory samples, one is retained by the participant (this sample may be analyzed by the participant – please note that this is optional), two are to be handed over to the representative of QualcoDuna Proficiency Testing Hungary Nonprofit Ltd. (aka proficiency testing provider) on site. An original copy of the sampling report should be attached to these samples. The provider transports the samples to the laboratory of QualcoDuna Proficiency Testing Hungary Nonprofit Ltd., Proficiency Testing Department, where name and address of participant is replaced by a unique code. From this step on, samples are solely identified by this code, in order to ensure confidentiality and privacy.
9. One of the two samples transported to the Proficiency Testing Department is sent to the subcontracted laboratory for analysis. The other sample is stored in the provider's laboratory in a refrigerator at $4 \pm 3^{\circ}\text{C}$ for reference (in case of ambiguity, this sample may also be sent to the subcontracted laboratory for analysis).

10. Participants receive their unique proficiency testing identification code prior to the exercise. You will be able to identify your results in the final report by this code. **Please** help us preserve the confidentiality of the scheme and **do not communicate your code** outside your organization.

2. Sampling schedule

Sampling proficiency testing exercise takes place on one day. Participants are scheduled at 20-minute intervals. At the sampling site, Dr. Norbert Mátrai (+36-30-453-9471) and Dr. Adrienn Micsinai (+36-30-559-2531), employee of the Proficiency Testing Hungary Nonprofit Ltd. Proficiency Testing Department await the participants and coordinate the sampling.

Sampling will take place on **October 2, 2025, between 9:00 a.m. and 3:00 p.m.** All participants have been informed of the sampling dates in advance!

We ask all participants to arrive at least 15 minutes before the start time so that we can complete registration and distribute containers before the start!

3. On-site measurements, sampling reports

As communicated earlier in the scheme description, on-site measurements are not part of the exercises. Original copy of the sampling report should be attached to the samples.

4. Laboratory analysis

Analysis of the laboratory samples for **contaminated soil sampling** is performed by Eurofins Environmental Testing Hungary Ltd, an accredited organisation. Parameters selected for evaluation of sampling are: quasi-total **As, Cd, Co, Cr, Cu, Mo, Ni, Pb and Zn**. Evaluation is based on selected parameters that are present at adequate concentration levels and can be quantified with low uncertainty.

5. About the sampling site

Location: near Hejőpapi, between Hejőpapi and Hejőszalonta at the premises of **Hejőpapi I. Waste Treatment Center**. GPS: N 47,91370°; E 20,86492°
Address: 3594 Hejőpapi, Regional Waste Treatment Deposit (see page 4 for direction and details)

Attention! Our sampling exercise host, **Hejőpapi I. Waste Treatment Center** (Hejőpapi I. Hulladékfeldolgozó Központ), is adjacent to **Hejőpapi Waste Management** (Hejőpapi Hulladékkezelő), which is an independent organization. Please ensure that the correct destination is set when navigating.

5.1. Contaminated soil sampling (CSS):

Contaminants for analysis: inorganic pollutants.

Sampling procedure:

Each participant shall take a point sample in the immediate vicinity of 5 sampling points from a depth of 20-30 cm (i.e. not an undisturbed sample). The sampling points were marked with stakes. An average sample shall be formed from the 5 samples taken, then 3 laboratory samples shall be prepared from the average sample for purposes detailed above.

As a reminder: **After sampling, sampling holes should not be reburied!**

Health and safety requirements should be respected at all times during the sampling exercise!

6. Location and on-site photos

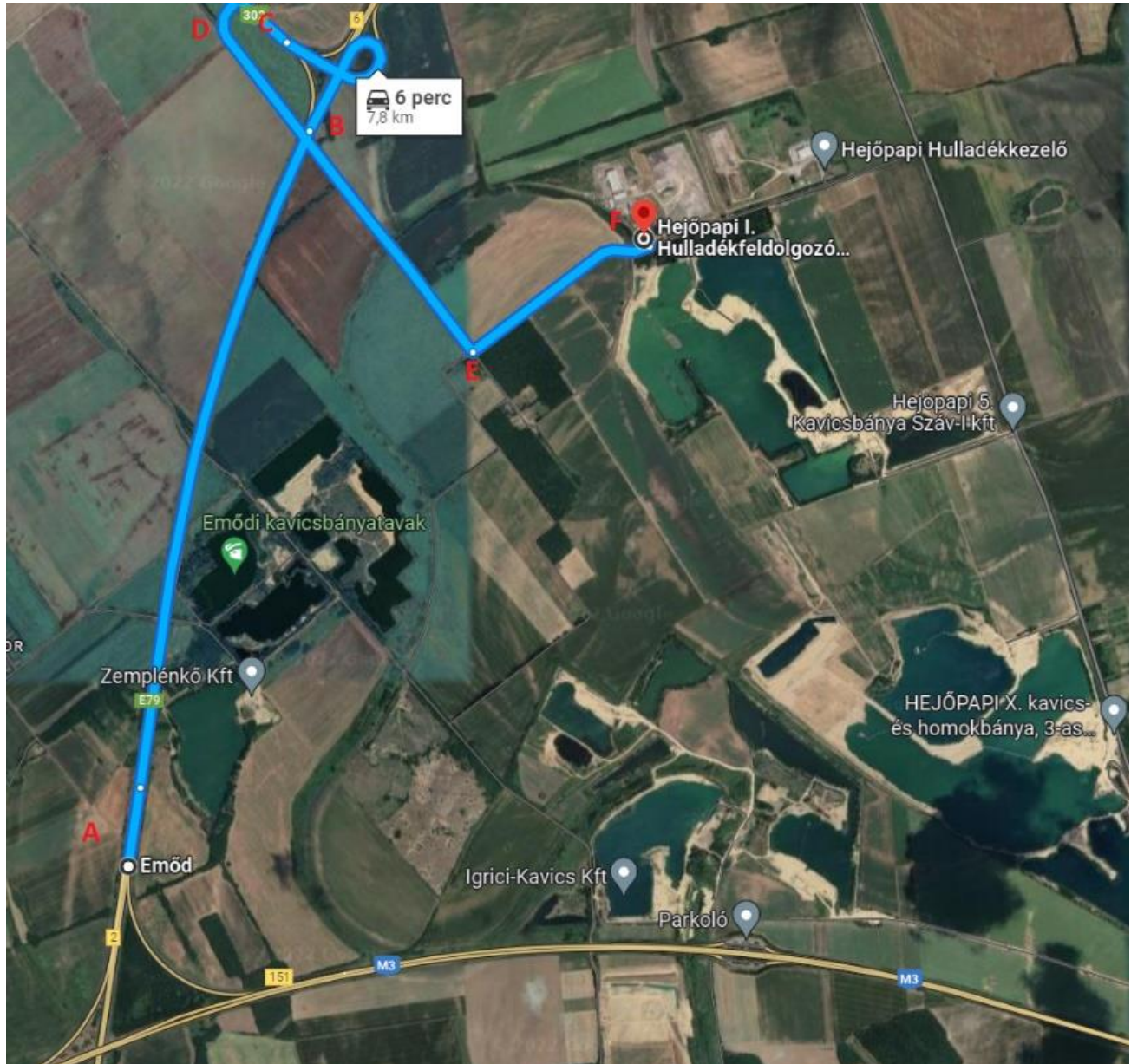
The contaminated soil sampling site is indicated on the map below:

The blue line marks a possible path to **sampling exercise location “F” (premises of Hejőpapi I. Waste Treatment Center).**

Point “A” is exit nr. 151 of motorway M3 from Budapest to E71/E79/M30 (direction of Miskolc/Slovak Republic). Take this exit and drive approximately 2 km to exit nr. 6 (**point “B”**) in the direction of Emőd/Route 302. Follow the road for approximately 3 km. At the crossroad (**point “C”**), turn left – the Motorway Office will be on your right. After about 120 m, the road turns left, and a dirt road starts to the right (**point “D”**). Follow the road to the left. After leaving the “PRIVATE ROAD!” (“MAGÁNÚT!”) sign, you reach another crossroad at **point “E”**. Turn left and drive till **point “F”**.

Sampling exercise location **“F”** is accessible by car even after rainfall. Wearing waterproof footwear (e.g. Wellington boots) is recommended.

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Point „C” crossroad (turn left; on your right, you can find the Motorway Office aka Autópálya Mérnökség):



Point „D” crossroad (turn left):



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Point „E” crossroad (turn left):



Point „F”, entrance to the premises:

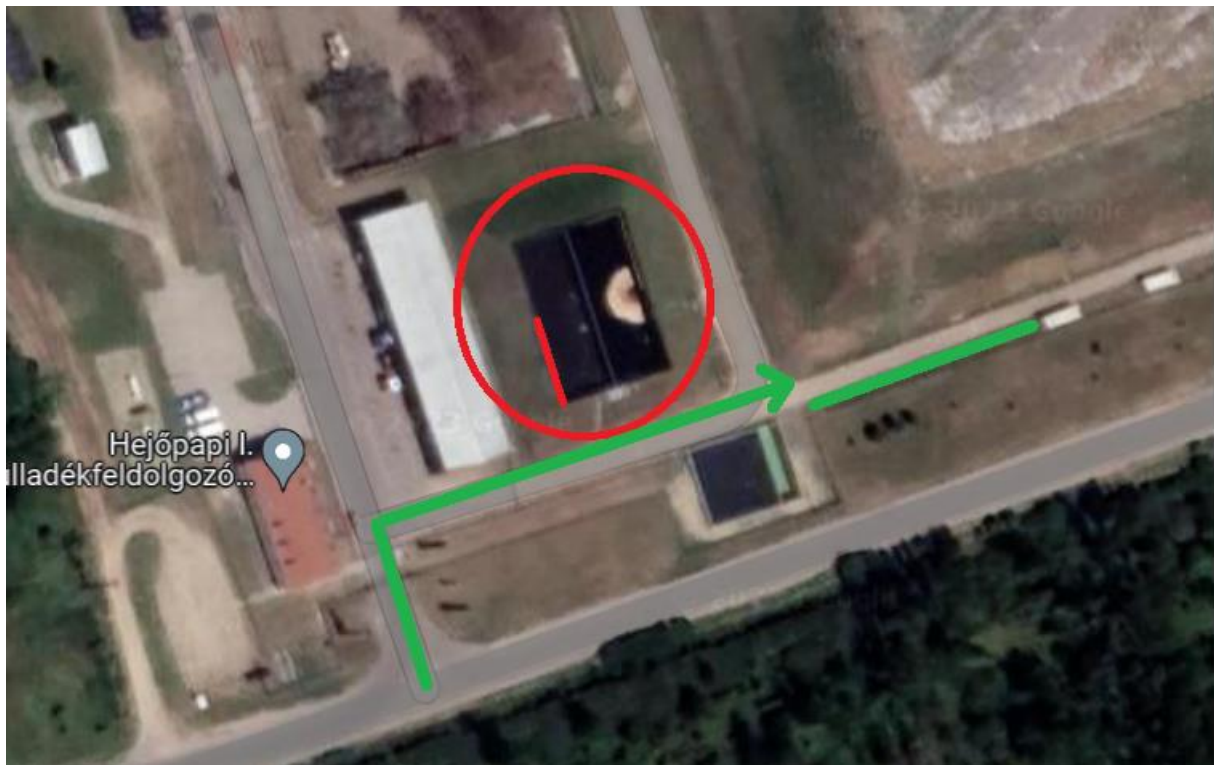


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After the entrance, take the service road on the right and follow the green arrow. Park your vehicles at the area marked by green line on the side of the road. There, participants receive sampling containers and further instructions about the exact sampling place.

(Parallely to contaminated soil sampling, wastewater sampling exercise takes place in the are marked by red. Please drive carefully in the area.)

Participants are asked to **arrive at least 15 minutes before the scheduled sampling time**, in order that registration can be performed.



For more details about the location and directions please click on the link below:

<https://www.google.hu/maps/@47.9136582,20.8627021,654m/data=!3m1!1e3>

7. For further information, feel free to contact us:

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Budapest, September 08, 2025



Dr. Norbert Mátrai
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Record of issue status and modifications:

Version nr.	Issue date	Details
1.1.	08 th Sept 2025	First release.