

# DISTRICT OFFICE ŽIAR NAD HRONOM

DEPARTMENT OF ENVIRONMENTAL CARE

Námestie Matice slovenskej č.8 , 965 01 Žiar nad Hronom

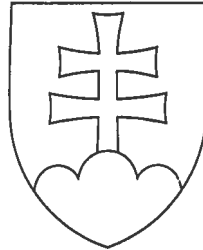
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**File number**

OU-ZH-OSZP-2021/012181-007

**Žiar nad Hronom**

03/12/2021



## Decision

On granting the consent to the operation of the waste recovery facility and the consent to the issue of the operating rules of the waste recovery facility.

### Description of the proceedings / Parties

Company INECO, s.r.o., Mladých budovateľov 2, 974 11 Banská Bystrica, company ID: 36 738 379, which represents company ZSNP TRADE, s.r.o., Priemyselná 12, 965 01 Žiar nad Hronom, company ID: 31 624 227 has applied for a decision - consent to the operation of waste recovery facility issued under § 97 par. 1 item c) of act no. 79/2015 Coll. on waste and on amendments to certain laws, as amended, and consent to the issue of the operating rules of the waste recovery facility according to § 97 par. 1 item e) of act no. 79/2015 Coll. on waste and on amendments to certain laws, as amended.

### Statement

District Office Žiar nad Hronom, Department of Environmental Care, which is according to § 3 par. 1 item e) of the National Council of the Slovak Republic act no. 180/2013 Coll. on the organization of local government and on amendments to certain laws, as amended, and pursuant to § 108 par. 1 item m) of act no. 79/2015 Coll. on waste and on amendments to certain laws, as amended (hereinafter referred to as the “waste act”) the competent authority of the state administration of waste management, upon request from INECO, s.r.o., Mladých budovateľov 2, 974 11 Banská Bystrica, company ID: 36 738 379, which represents ZSNP TRADE, s.r.o., Priemyselná 12, 965 01 Žiar nad Hronom, company ID: 31 624 227 for the issue of a decision - consent to the operation of the waste recovery facility issued pursuant to § 97 par. 1 item c) of the waste act and the consent to the issue of the operating rules of the waste recovery facility pursuant to § 97 par. 1 item e) of the waste act has decided as follows:

Company:

Business name ZSNP TRADE, s.r.o.

Seat: Priemyselná 12, 965 01 Žiar nad Hronom

Company ID: 31 624 227

Place of waste management:

In the industrial area, in the object on plot no. CKN 64/7 in cad. office Horné Opatovce, which is owned by ZSNP TRADE, .r.o., Priemyselná 12, 965 01 Žiar nad Hronom, company ID: 31 624 227.

I. is granted the consent

pursuant to § 97 par. 1 item c) of the waste act - operation of the waste recovery facility according to the decree of the Ministry of Environment of the Slovak Republic no. 365/2015 Coll., establishing the Waste Catalogue as amended for the following types of waste:

Waste type number: name of waste:

02 01 04 Waste plastics except packaging 0  
07 02 13 Waste plastics 0  
12 01 05 Plastic shavings and chips 0  
15 01 02 Plastic packaging 0  
16 01 19 Plastics 0  
16 03 06 Organic wastes other than those listed in 16 03 05 0  
17 02 03 Plastics 0  
19 12 04 Plastics and rubber 0  
20 01 39 Plastics 0

The total annual amount of recovered waste is 4,000 t/year.

For the recovery operation as set out in annex 1 to the waste act:

R3 - Recycling or recovery of organic substances not used as solvents (including composting and other biological transformation processes)

R12 - Treatment of waste destined for processing by one of the activities R1 to R11

R13 - Storage of waste before use of any of the activities R1 to R12 (except temporary storage before collection at the site of origin)

2. determines the place of management of wastes

referred to in point 1 of the statement of this decision pursuant to the provision of § 97 par. 2 item b) of the waste act:

In the industrial area, in the object on the plot no. CKN 64/7 in cad. office Horné Opatovce, which is owned by ZSNP TRADE, s.r.o., Priemysel'ná 12, 965 01 Žiar nad Hronom, company ID: 31 624 227.

3. determines the method of handling of wastes

according to the provisions of § 97 paragraph 2 item c) of the waste act the applicant will handle the wastes mentioned in the statement of the decision in the following manner:

The crushed wastes are imported into the facility by cargo vehicles through the internal road in the area with entrance from the local road through gate no. 2. The wastes are stored in the storage part of the production hall and on the paved surfaces associated with it, separately according to the individual types on pallets in big-bags, large-volume containers, in other packages or freely stored, e.g. in crates. Company ZSNP TRADE, s.r.o. has technologies that provide the separation of undesirable parts of polymeric- or colour-contaminated plastic crushing in subsequent technological steps in such way that on the side of the output the granulometric, polymer and colour homogeneous stability of the product is guaranteed to such an extent as to make this material directly usable in production without the need for further separation and pre-preparation. The processed material is subject to its own in-house standard for the product according to its type. The company has processed in-house standards for the following product types:

- Pet rF, NAT (PET flakes, natural)
- Pet rF, LC XYZ (PET flakes, light colours)
- Pet rF, BL (PET flakes, blue)
- Pet rF, GR (PET flakes, green)
- Pet rF, RC (PET flakes, other colours)
- PP rF, NAT (PP crushed material, natural)
- PP rF, LC XYZ (PP crushed material, light colours)
- PP rF, RC (PP crushed material, other colours)
- PE rF, NAT (PE crushed material, natural)
- PE rF, LC XYZ (PE crushed material, light colours)

- PE rF, RC (PE crushed material, other colours).

The material supplied in the BigBag is evenly emptied into the operating container of the zig zag separation system by means of an unloading device. Here, based on various specific weights of the material, the remains of light fractions (labels, films, paper, etc.) are separated. and materials with less than the required granularity are separated.

The material free from light and granularly sub-limit fractions is, via a conveyor, fed into the container of the type CG 4 colour separation device from Meyer Hefei Corporation. The device contains 4 sorting routes. Colour-mismatched mixture is dosed into the first sorting route where the target colour is separated to level above 95 %. This partially sorted material is via a transport path system reused in the CG 4 in sorting route 2 and subsequently sorting route 3. The final sorting takes place in the sorting route 4. The material detected by the device as colour mismatched at each sorting route is reused in the sorting route 1 together with the other input material. In this way, 100 % colour stability and efficiency are guaranteed. The material is exposed to cutting-edge technology using fast HD cameras (15,000 frames per 1 second) and Maglev ejectors, a total of 4 times in line, all of it within a single separation device. At the same time, the efficiency of sorting is ensured and the material detected in individual steps as incoherent with the target colour is not considered as waste. Colour-homogeneous material free from light and granularly sub-limit fractions will, via a transport route system, be fed into the operating container of the CI 5 type polymeric separation device from Meyer Hefei Corporation. The device is equipped with 4 x NIR cameras set for purification of PET materials, 1 x NIR camera set purification of PE/PP materials and 5 HD high-speed colour cameras for the final control of colour stability of the sorted material. Similarly to CG 4, the material passes through the CI 5 device in order to achieve 100 % polymer purity. After processing, a 100 % polymerically and colour-stable product – recyclate, suitable directly for reuse in the production of bottles, fibres, caps or other products – is available at output.

Polymerically and colour-homogenous flakes or crushed material are transported via transport routes to the device (bagging station) for storage into big bags. The material is beaten by its own weight with pneumatic rollers in order to use the volume of the big bag effectively.

3 samples are taken from the final material with a sampling rod. One sample is subjected to a test in its own or external laboratory capacities, the second sample is stored in the company archive for a minimum of 3 months, and the third sample is attached to the bigbag together with other identification data such as processing date, responsible person, weight, material specification, etc. If the material is consistent with the quality parameters contained in the relevant in-house standard, it is transferred to the dispatch warehouse. If the material does not conform to the applicable in-house standard, it is transferred to the warehouse of the received material and will be subjected to re-separation.

#### 4. determines the validity of the consent

pursuant to § 97 par. 2 item d) of the waste act, the consent given in point 1 of this decision limited in time until 03/12/2026.

#### 5. determines the conditions for the performance of the activities for which consent is granted

according to § 97 paragraph 2 item g) of the waste act determines additional conditions for the performance of the activity for which consent is granted, has decided as follows:

- a) The consent relates only to the wastes listed in the operative part of this decision.
- b) The consent to waste recovery facility shall cease by cessation of the activity for which the consent was given.
- c) Waste management shall be carried out only in the premises referred to in point 2 of this decision.
- d) The waste facility must be marked with an information board visible from the public area, which contains data in accordance with § 6 par. 1 of the Decree of the Ministry of Environment of the Slovak Republic No. 371/2015 Coll. implementing certain provisions of the waste act.
- e) The waste management authority may on its own initiative or at the request of a party to the proceedings within the meaning of § 114 of the waste act, decide to amend or cancel the issued decision.

f) The operator of the waste recovery facility is obliged to comply with the provisions of § 17 of the waste act when operating it.

6. determines the technical requirements for the operation of the waste recovery

facility according to the provisions of § 97 par. 3 item a) of the waste act as follows:

Device: MOOGE technology zig-zag air classifier machine

Purpose: separation of light fractions

Capacity: 1,500 kg/hour

Input material: Pet flakes, PP crushed material, PE crushed material

Number of workers: 1 - 2

Dimensions: according to configuration

Electricity demand: 3 x 380 V+N+PE

Working temperature range: -20 °C to 55 °C

Device: Meyer Hefei Corporation CG 4

Purpose: colour separation

Capacity: 5 – 10 t/hour

Input material: Pet flakes, PP crushed material, PE crushed material

Number of workers: 1 -2

Dimensions (mm): 2,225 x 1,630 x 2,050

Electricity demand: 110-250V/50 - 60 Hz

Power: 2.6 kW

Weight: 1,200 kg

Purity of the output product (%):  $\geq 99.99$

Air consumption: 1,300 – 2,200 l/min

Device: Meyer Hefei Corporation CI 5

Purpose: polymeric separation

Capacity: 4 – 6 t/hour

Input material: Pet flakes, PP crushed material, PE crushed material

Number of workers: 1 - 2

Dimensions (mm): 1,628 x 1,700 x 2,030

Electricity demand: 180 – 240 V/47-53Hz

Power: 4.8 kW

Weight: 1,400 kg

Purity of the output product (%):  $\geq 99.99$

Air consumption: 3,000 – 5,000 l/min

7. determines the safety precautions when operating the facility

according to the provisions of § 97 par. 3 item b) of the waste act as follows:

The operation of the waste recovery facility and the compliance with technological procedures and operating rules is the responsibility of the operation manager. The building is lockable and the entrance is secured by an entrance gate and security service. The hall also serves for storage of processed material for dispatch. Around the hall there are existing

areas used for the temporary storage of imported plastic wastes prior to their processing and for the handling of unloading and loading of cargo vehicles.  
Forklift trucks, pallet trucks, air compressor and other hand tools are used in the operation of the facility.

#### 11. gives consent

pursuant to § 97 par. 1 item e) of the waste act – to the operating rules of the waste recovery facility according to the decree of the Ministry of Environment of the Slovak Republic No. 365/2015 Coll. establishing the Waste Catalogue as amended for the following types of waste:

Waste type number: name of waste:

02 01 04 Waste plastics except packaging 0  
07 02 13 Waste plastics 0  
12 01 05 Plastic shavings and chips 0  
15 01 02 Plastic packaging 0  
16 01 19 Plastics 0  
16 03 06 Organic wastes other than those listed in 16 03 05 0  
17 02 03 Plastics 0  
19 12 04 Plastics and rubber 0  
20 01 39 Plastics 0

#### 2. determines the place of management of wastes

referred to in point II of the statement of this decision pursuant to the provision of § 97 par. 2 item b) of waste act:

In the industrial area, in the object on plot no. CKN 64/7 in cad. office Horné Opatovce, which is owned by ZSNP TRADE, s.r.o., Priemysel'ná 12, 965 01 Žiar nad Hronom, company ID: 31 624 227.

Submitted operating rules "Operating Rules According to Act No. 79/2015 Coll. on Waste, Operation: The Waste Recovery Facility of ZSNP TRADE, S.R.O. Company" dated 29/10/2021 contains the requirements according to § 10 par. 6 of the Decree of the Ministry of Environment of the Slovak Republic No. 371/2015 Coll. implementing certain provisions of the waste act as amended.

#### 3. determines the method of handling of wastes

according to the provisions of § 97 paragraph 2 item c) of the waste act the applicant will handle the wastes mentioned in the statement of the decision in the following manner:

The crushed wastes are imported into the facility by cargo vehicles through the internal road in the area with entrance from the local road through Gate no. 2. The wastes are stored in the storage part of the production hall and on the paved surfaces associated to it, separately according to the individual types on pallets in big-bags, large-volume containers, in other packages or freely stored, e.g. in crates. Company ZSNP TRADE, s.r.o. has technologies that provide the separation of undesirable parts of polymeric- or colour-contaminated plastic crushing in subsequent technological steps in such way that on the side of the output the granulometric, polymer and colour homogeneous stability of the product is guaranteed to such an extent as to make this material directly usable in production without the need for further separation and pre-preparation. The material being processed is, according to its type, subject to

own in-house standard for the product. The company has processed in-house standards for the following product types:

- Pet rF, NAT (PET flakes, natural)
- Pet rF, LC XYZ (PET flakes, light colours)
- Pet rF, BL (PET flakes, blue)
- Pet rF, GR (PET flakes, green)
- Pet rF, RC (PET flakes, other colours)
- PP rF, NAT (PP crushed material, natural)
- PP rF, LC XYZ (PP crushed material, light colours)
- PP rF, RC (PP crushed material, other colours)
- PE rF, NAT (PE crushed material, natural)
- PE rF, LC XYZ (PE crushed material, light colours)
- PE rF, RC (PE crushed material, other colours).

The material supplied in the BigBag is evenly emptied into the operating container of the zig zag separation system by means of an unloading device. Here, on the basis of various specific weights of the material, the remains of light fractions (labels, films, paper, etc.) are separated. and materials with less than the required granularity are separated.

The material free from light and granularly sub-limit fractions is via a conveyor fed into the container of the CG 4 type colour separation device from Meyer Hefei Corporation. The device contains 4 sorting routes. Colour-mismatched mixture is dosed into the first sorting route where the target colour is separated to level above 95 %. This partially sorted material is via a transport path system reused in the CG 4 as in sorting route 2 and subsequently sorting route 3. The final sorting takes place in the sorting route 4. The material detected by the device as colour mismatched at each sorting route is reused in the sorting route 1 together with the other input material. In this way, 100 % colour stability and efficiency are guaranteed. The material is exposed to cutting-edge technology using fast HD cameras (15,000 frames per 1 second) and Maglev ejectors, a total of 4 times in line, all of it within a single separation device. At the same time, the efficiency of sorting is ensured and the material detected in individual steps as incoherent with the target colour is not considered as waste. Colour homogeneous material free from light and granularly sub-limit fractions will, via a transport route system, be fed into the operating container of the CI 5 type polymeric separation device from Meyer Hefei Corporation. The device is equipped with 4 x NIR cameras set for purification of PET materials, 1 x NIR camera set purification of PE/PP materials and 5 HD high-speed colour cameras for the final control of colour stability of the sorted material. Similarly to CG 4, the material passes through the CI 5 device in order to achieve 100 % polymer purity. After processing, a 100

% polymerically and colour-stable product – recyclate, suitable directly for reuse in the production of bottles, fibres, caps or other products – is available at output.

Polymerically and colour-homogenous flakes or crushed material are transported via transport routes to the device (bagging station) for storage into big bags. The material is beaten by its own weight with the help of pneumatic rollers in order to use the volume of the big bag effectively.

3 samples are taken from the final material with a sampling rod. One sample is subjected to a test in its own or external laboratory capacities, the second sample is stored in the company archive for a minimum of 3 months, and the third sample is attached to the bigbag together with other identification data such as processing date, responsible person, weight, material specification, etc. If the material is consistent with the quality parameters contained in the relevant corporate standard, it is transferred to the dispatch warehouse. If the material does not conform to the applicable in-house standard, it is transferred to the warehouse of the received material and will be subjected to re-separation.

#### 4. determines the validity of the consent

pursuant to the provision of § 97 par. 2 item d) of the waste act, the consent given in point 1 of this decision limited in time until 03/12/2026.

#### 5. determines the conditions for the performance of the activities for which the consent is granted

according to § 97 paragraph 2 item g) of the waste act determines additional conditions for the performance of the activity for which consent is granted, has decided as follows:

- a) The consent concerns only the wastes listed in the operative part of this Decision.
- b) The consent to the issue of the operating rules shall cease by cessation of the activity for which the consent has been given.
- c) In case of any changes to the operating rules, it is necessary to update according to the relevant legislation
- d) The waste management authority may on its own initiative or at the request of a party to the proceedings within the meaning of § 114 of the waste act decide to amend or cancel the issued decision.
- e) The operator of the waste recovery facility is obliged to comply with the provisions of § 17 of the waste act when operating it.

### **Justification**

The District Office of Žiar nad Hronom, Dep. of Environmental Care received on 02/11/2021 a request from INECO, s.r.o., Mladých budovateľov 2, 974 11 Banská Bystrica, company ID: 36 738 379, which represents company ZSNP TRADE, s.r.o., Priemyselná 12, 965 01 Žiar nad Hronom, company ID: 31 624 227 for the issue of a decision-consent to the operation of the waste recovery facility issued pursuant to § 97 par. 1 item c) of the waste act and the consent to the issue of the operating rules of the waste recovery facility pursuant to § 97 par. 1 item e) of the waste act.

The following documents were included in the application:

- Power of attorney for company INECO, s.r.o., Mladých budovateľov 2, 974 11 Banská Bystrica, company ID: 36 738 379 dated 03/11/2021
- Technical regulations pursuant to act no. 79/2015 Coll. on waste, Operation: Waste recovery facility of ZSNP TRADE, s.r.o. dated 26/10/2021
- Operating rules according to act no. 79/2015 Coll. on waste, Operation: Waste recovery facility of ZSNP TRADE, s.r.o. dated 29/10/2021
- Administrative fee of 11 EUR in the form of e-stamp (Confirmation of Payment from Slovenská pošta, a.s.) according to the Annex X., part Environment, item 162 letter c) of the price list of fees of the National Council of the Slovak Republic act no. 145/1995 Coll. on administrative charges as amended.
- Administrative fee of 11 EUR in the form of e-stamp (Confirmation of Payment from Slovenská pošta, a.s.) according to the Annex X., part Environment, item 162 letter e) of the price list of fees of the National Council of the Slovak Republic act no. 145/1995 Coll. on administrative charges as amended.

The waste management authority issued a notice of initiation of the proceeding on 24/11/2021 and summoned oral hearing under no. OU-ZH-OSZP-2021/012181-003, entry no. 0043638/2021 and convened the proceedings on 30/11/2021. Minutes of the oral hearing under no. OU-ZH-OSZP-012181-005/2021, entry no. 0044366/2021 is part of the file.

The following documents have been presented in the proceedings:

- final opinion on the assessment process pursuant to § 21 par. 2 of Decree No 371/2015 Coll. implementing certain provisions of the waste act under no. OU-ZH-OSZP-2021/003098-002 dated 01/03/2021.

The following statements were submitted in the proceedings:

- The City of Žiar nad Hronom as a party to the proceedings pursuant to § 113 par. 4 of the waste act: “The City of Žiar nad Hronom does not object to the consent pursuant to § 97 par. 1 item c) and e) of act no. 79/2015 Coll.”

On 03/12/2021, the following documents were delivered to the waste management authorities:

- SK DECLARATION OF PERFORMANCE No. 0012/2021 ZSNPTRADE/PS rF, RC dated 1/7/2021
- SK DECLARATION OF PERFORMANCE No. 0005/2021 ZSNPTRADE/PP rF, NAT dated 1/7/2021
- SK DECLARATION OF PERFORMANCE No. 0001/2021 ZSNPTRADE/PET- PET rF, NAT dated 1/7/2021
- SK DECLARATION OF PERFORMANCE No. 0010/2021 ZSNPTRADE/PE rF, RC dated 1/7/2021
- SK DECLARATION OF PERFORMANCE No. 0011/2021 ZSNPTRADE/PS rF, NAT W dated 1/7/2021
- SK DECLARATION OF PERFORMANCE No. 0006/2021 ZSNPTRADE/PP rF, LC dated 1/7/2021
- SK DECLARATION OF PERFORMANCE No. 0004/2021 ZSNPTRADE/PET — PET rF, dated 1/7/2021

- SK DECLARATION OF PERFORMANCE No. 0008/2021 ZSNPTRADE/PE rF, NAT dated 1/7/2021
- SK DECLARATION Of PERFORMANCE No. 0007/2021 ZSNPTRADE/PP rF, RC dated 1/7/2021
- SK DECLARATION Of PERFORMANCE No. 0002/2021 ZSNPTRADE/PET - PET rF, BL dated 1/7/2021
- SK DECLARATION OF PERFORMANCE No. 0003/2021 ZSNPTRADE/PET - PET rF, RC dated 1/7/2021
- SK DECLARATION Of PERFORMANCE No. 0009/2021 ZSNPTRADE/PE rF, LC dated 1/7/2021
- Technical drawings of equipment: MOOGE technology zig-zag air classsifier machine, Meyer Hefei Corporation CG 4 and Meyer Hefei Corporation CI 5.

Based on the above, the District Office of Žiar nad Hronom, the Department of Environmental Care as the competent authority of the state administration in waste management, concluded that, subject to compliance with the conditions set out in the operative part of this decision, there will be no violation of the social interests or the interests of the protection of the environment.

The District Office Žiar nad Hronom, Department of Environmental Care granted consent for a certain period of time in accordance with § 97 par. 17 of the waste act and decided as specified in the operative part of the decision.

### **Guidance**

According to § 54 of act no. 71/1967 Coll. on administrative proceedings as amended, an appeal may be lodged against this decision within 15 days from the date of its delivery. The appeal shall be lodged with the administrative authority which issued the contested decision.

This decision may be reviewed by the court after the ordinary remedies have been exhausted under the provisions of the Administrative Judicial Code.

Ing. Dušan Berkeš  
Head of Department

Informative note - this document was created electronically by the public authority

Company ID: 00151866 Suffix: 10315

### **It shall be delivered to**

INECO, s.r.o., Mladých budovateľov 2, 974 11 Banská Bystrica, Slovak Republic City  
Žiar nad Hronom, Š. Moysesova, 431/46, 965 19 Žiar nad Hronom, Slovak Republic