

INFORMATION ON THE LIGNITE MINING PROPERTY

1. General Information

Subsoil user	LIGNITE+ LLC, EDRPOU code 38813765
Deposit	Ilnytsia lignite deposit
Location	75 Tsentralna Street, Ilnytsia village, Khust District, Zakarpattia Region
Mineral	Lignite
Commencement of the company's operations	1999
Special permit	No. 1672 dated 17 November 1998
Validity period	No. 340 dated 29 September 2022, valid until 29 September 2042
Purpose of subsoil use	Lignite extraction
Area of licensed reserves	87.0 ha: Karierna area - 46.9 ha; Kreminna area - 40.1 ha

2. Reserves

Information on approved reserves	The reserves were re-approved by protocols of the State Commission of Ukraine on Mineral Reserves (SCMR) in 2017 and 2020
Approved reserves	1,194 thousand tonnes, including 575 thousand tonnes in the Karierna area: Seam I - 98; Seam II - 477; and 619 thousand tonnes in the Kreminna area: Seam IV - 356; Seam V - 263
Commercial reserves as of 1 January 2026	1,125,150 tonnes

3. Coal Quality

Classification according to DSTU 3472:2015 'Lignite, hard coal and anthracite'	Grade B, Class 03, Category 0, Type 40, Subtype 10 - (B.2B. 2BV)
Ash content - Karierna area	The average ash content of Seam I coal is 26.2%, ranging from 9.7% to 40.0%; for Seam II, it is 28.0%, ranging from 8.4% to 38.1%
Ash content - Kreminna area	For Seam IV, 16.2-40.7%, with an average of 24.8%; for Seam V, 17.2-37.5% (average 26.6%)
Lower heating value (kcal/kg)	Seam I - 2,390-2,461; Seam II - 2,360-2,400; Seam IV - 1,932-2,237; Seam V - 1,977-2,420
Radiological monitoring	Does not exceed 340 Bq/kg, corresponding to Class I use of the raw material

4. Geological Characteristics

Structural setting		Chop Depression, Ilnytsia Syncline
Occurrence		Monoclinial; dipping south and southwest; dip angles up to 5°
Karierna area	Mineral	Seam I thickness ranges from 0.1 to 2.8 m, and Seam II thickness from 0.7 to 2.5 m; Seam II occurs at a depth of 7.6-20.4 m.
	Overburden	Above Seam I: alluvial gravel-pebble deposits with an average thickness of 7.9 m. Between Seams I and II: predominantly argillite-like clays, tuffites, siltstones and sands, 3-10 m thick.
Kreminna area	Mineral	Seam IV occurs at a depth of 0-36 m, and across about 80% of the area at depths of up to 20 m. Its thickness is 0.4-1.95 m, averaging 1.25 m. Seam V occurs at a depth of 4.75-35.0 m below the surface. Seam V thickness is 1.08-2.64 m, averaging 1.52 m.
	Overburden	Seam IV is overlain by alluvial-deluvial loams, boulder-pebble formations and sand-gravel mix, 3.0-13.8 m thick. Seam V is overlain by clays and argillites, with lesser amounts of siltstones, sands and tuffites. Seam V occurs at a depth of 4.75-35.0 m.

5. Mining and Technical Indicators

Area	Seam	Lignite reserves, thousand t	Overburden volume, thousand m ³	Stripping ratio, m ³ /t
Karierna	I	97.99	557.40	5.69
Karierna	II	477.29	4,917.87	10.30
Karierna - total	I + II	575.28	5,475.28	9.52*
Kreminna	IV	356.01	4,765.57	13.39
Kreminna	V	263.03	2,160.80	8.22
Kreminna - total	IV + V	619.04	6,926.37	11.19
TOTAL	-	1,194.32	12,401.65	10.38*

6. Production Facilities

Excavator	HITACHI ZX 250
Project haulage equipment	KamAZ-5511 dump trucks, payload capacity 10 t
Crushers	SMD-109, SMD-116, MD-320, DVZ-1
Screen	GIL-32
Conveyors	V-550, inventory Nos. 6-10
High-voltage equipment	KPT-105, ZPT-106, PL-10

7. Permitting Documentation

Mining allotment	Approved for an area of 58.0 ha
Deposit development and reclamation project	Prepared and approved in 2021
Environmental impact assessment	A positive EIA conclusion was obtained
Special water-use permit	Obtained
Permit for open-pit mining operations	Obtained
Permit for electrical equipment above 1,000 V	Obtained
Permit for crushing and screening equipment	Obtained
Permit for mine surveying operations	Obtained
Air emissions permit	Obtained
Land-use documentation	Completed

8. Restrictions

A portion of the balance reserves of the Ilnytsia deposit is constrained in terms of open-pit development due to its proximity to residential development, for which the sanitary protection zone is 500 m. Reserves located within this zone cannot be included in open-pit mining within the project-defined boundaries.