

Annex A2-a. Signed ODA Declaration

OFFICIAL DEVELOPMENT ASSISTANCE DECLARATION

Date: 23/01/2020

The Gold Standard Foundation

Chemin de Balaxert 7-9

1219 Châtelaine

International Environment House 2

Geneva, Switzerland

RE: Declaration of Non-Use of Official Development Assistance by Project Owner of GS10641

BEO ČISTA ENERGIJA. D.O.O. BEOGRAD

As Project Developer of the above-referenced project, and acting on behalf of all Project Participants, We now make the following representations:

Mitsuaki HARADA, Philippe THIEL, Vladimir MILOVANOVIC

We hereby declare that I am duly and fully authorized by the Project Developer of the above-referenced project to act on behalf of all Project Participants and make the following representations:

I. The Gold Standard Documentation

We are familiar with the provisions of The Gold Standard Documentation relevant to Official Development Assistance (ODA). We understand that the above-referenced project is not eligible for Gold Standard registration if the project receives or benefits from Official Development Assistance with the condition that some, or all, of the carbon credits [CERs, ERUs, or VERs] coming out of the project are transferred to the ODA donor country. We hereby expressly declare that no financing provided in connection with the above-referenced project has come from or will come from ODA that has been or will be provided under the condition, whether express or implied, that any or all of the carbon credits issued as a result of the project's operation will be transferred directly or indirectly to the country of origin of the ODA.

II. Duty to Notify Upon Discovery

If we learn or if we are given any reason to believe at any stage of project design or implementation that ODA has been used to support the development or implementation of the project, or that an entity providing ODA to the host country may at some point in the future benefit directly or indirectly from the carbon credits generated from the project as a condition of investment, we will notify The Gold Standard immediately using the Amended ODA Declaration Form provided below.

III. Investigation

The Gold Standard reserves the right to conduct an investigation into any project it reasonably believes may be receiving ODA with the condition that some or all of the carbon credits from the project will be transferred to the ODA donor country.

Gold Standard

IV. Sanctions

We are fully aware that the sanctions identified in The Gold Standard Terms and Conditions may be applied to me or the above-referenced project in the event that any of the information provided above is false or we fail to notify The Gold Standard of any changes to ODA in a timely manner.

We swear that all of the statements contained herein are true to the best of my knowledge.

Signed: _____



Name: Mitsuaki HARADA/Vladimir MILOVANOVIC

Title: Managing Director

On behalf of: BEO ČISTA ENERGIJA. D.O.O.

Place: Tošin Bunar 272v, 2nd floor Belgrade, 11000, Serbia

Annex A2-b Required Permits and Consents

PERMIT / CONSENT	Description in a manner consistent with Serbian law	Relevant Authority issuing the authorization	Covered Facilities / Infrastructure	Official Ref. No	ISSUING DATE / DEADLINE FOR ISSUANCE
Project of rehabilitation and re-cultivation of Existing Landfill	-	Ministry of Environmental Protection	Existing Landfill	353-01-01516/2019-06	Issued on 24/07/2019
Location Conditions	means the public document that contains data on the possibilities and limitations of the construction on a cadastre parcel that fulfils the conditions for a construction parcel and that contains all the prerequisites for preparing the technical documentation necessary for issuing a Construction Permit, in accordance with Law on Planning and Construction	Ministry of Construction, Traffic and Infrastructure	EfW, LGF, 110 kV Switchgear	350-02-00085/2019-14 ROP-MSGI-3997-LOCH-2/2019	Issued on 25/04/2019
Location Conditions	As above	Ministry of Construction, Traffic and Infrastructure	New Landfill, Existing Landfill, ancillary facilities, CDW, LTF, Flare, Excluding 35 kV Substation but including Dam	350-02-00104/2019-14 ROP-MSGI-5396-LOCH-2/2019	Issued on 12/04/2019
Construction Permit	means the construction permit required to be issued for the Works in accordance with the Law on Planning and Construction	Ministry of Construction, Traffic and Infrastructure	EfW including 110 kV Switchgear	351-02-00239/2019-07 ROP-MSGI-3997-CPI-3/2019	Issued on 16/08/2019

PERMIT / CONSENT	Description in a manner consistent with Serbian law	Relevant Authority issuing the authorization	Covered Facilities / Infrastructure	Official Ref. No	ISSUING DATE / DEADLINE FOR ISSUANCE
Construction Permit	As above	Ministry of Construction, Traffic and Infrastructure	Landfill Gas Facility (LGF)	351-02-00243/2019-07 ROP-MSGI-3997-CPI-4/2019	Issued on 16/08/2019
Construction Permit	As above	Ministry of Construction, Traffic and Infrastructure	New Landfill, Existing Landfill, ancillary facilities, CDW	351-02-00240/2019-07 ROP-MSGI-5396-CPI-3/2019	Issued on 23/08/2019
Construction Permit	As above	Ministry of Construction, Traffic and Infrastructure	Leachate Treatment Facility (LTF)	351-02-00241/2019-07 ROP-MSGI-5396-CPI-4/2019	Issued on 23/08/2019
Construction Permit	As above	Ministry of Construction, Traffic and Infrastructure	Flare	351-02-00242/2019-07 ROP-MSGI-5396-CPI-5/2019	Issued on 23/08/2019
Consent on Environmental Impact Assessment Study	Consent on the environmental impact assessment study as prescribed under the Law on Environmental Impact Assessment	Ministry of Environmental Protection	New Landfill, ancillary facilities, CDW, LTF, Flare	n/a	available on or before Financial Close
Consent on Environmental Impact Assessment Study	As above	Ministry of Environmental Protection	EfW, LGF, 110 kV Switchgear	n/a	available on or before Financial Close

Annex A2-c. Regulatory Comparison

Air emission at stack		IED Annex VI daily and periodic ELVs			BATAELs WI BREF December 2019			SERBIAN Regulation On waste thermal treatment plant "Official Gazette of RS", Nos. 102/2010 and 50/2012	
Substance	Unit (11% O ₂ , dry)	IED ELV	Max Conf. interval ¹	Sampling period	NEW plants	EXISTING plants	Sampling period	Plants	Sampling period
Dust	mg/Nm ³	10	3	Daily	<2-5		Daily	10	Daily
T(V)OC	mg/Nm ³	10	3	Daily	<3-10		Daily	10	Daily
CO	mg/Nm ³	50	5	Daily	10-50		Daily	50	Daily
HCl	mg/Nm ³	10	4	Daily	<2-6	<2-8	Daily	10	Daily
HF	mg/Nm ³	1	0,4	Daily	<1		Daily ²	1	Daily
SO ₂	mg/Nm ³	50	10	Daily	5-30	5-40	Daily	50	Daily
NO _x (SCR, SNCR...)	mg/Nm ³	200	40	Daily	50-120	50-150	Daily	200	Daily
SNCR, if SCR not possible						up to 180			
NH ₃ (SCR or SNCR) (Exist. SNCR not wet)	mg/Nm ³				2-10	2-10 (15)	Daily		
Hg	µg/Nm ³	50		Periodic, short term	<5-20		Daily 3, 4	50	Periodic, short term
					1-10		Long term sampling ³		

Air emission at stack		IED Annex VI daily and periodic ELVs			BATAELs WI BREF December 2019			SERBIAN Regulation On waste thermal treatment plant "Official Gazette of RS", Nos. 102/2010 and 50/2012	
Substance	Unit (11% O ₂ , dry)	IED ELV	Max Conf. interval ¹	Sampling period	NEW plants	EXISTING plants	Sampling period	Plants	Sampling period
					<5-20		Periodic, short term ³		
PCCD/F ⁵	ng I-TEQ/Nm ³				<0.01- 0.06	<0.01-0.08	Long term sampling ⁶	0.1	Periodic, short term
PCCD/F + DL-PCB 5	ng I & WHOTE _Q /Nm ³				<0.01- 0.08	<0.01-0.1			
PCCD/F ⁵	ng I-TEQ/Nm ³	0.1		Periodic, short term	<0.01- 0.04	<0.01-0.06	Periodic, short term		
PCCD/F + DL-PCB 5	ng I & WHOTE _Q /Nm ³			Periodic, short term	<0.01- 0.06	<0.01-0.08			
Cd+Tl	mg/Nm ³	0.05		Periodic, short term	0.005 - 0.02		Periodic, short term	0.05	Periodic, short term
Sb+As+Pb+Cr+Co +Cu+Mn+Ni+V	mg/Nm ³	0.5		Periodic, short term	0.01-0.3		Periodic, short term	0.5	Periodic, short term

(1): According to IED Annex VI, Part 8, Section 1.2, the value of the confidence interval should be subtracted from the measured values to determine the half-hourly average values and then the daily average values.

(2): HF continuous measurement may be replaced by periodic measurements if HCl emission are proven to be sufficiently stable.

(3): Hg continuous measurement may be replaced by long-term sampling or periodic measurements if incinerated waste Hg content proven low and stable (e.g. mono-streams of waste of a controlled composition)

(4): Hg ½-hr average indicative value (not BATAELs) for new plants 15-35 µg/Nm³, for existing 15-40 µg/Nm³. (5): Either the BATAELs for PCDD/F or the BATAELs for PCDD/F + DL-PCBs apply. DL-PCB monitoring does not apply if DL-PCBs are proven to be less than 0.01 ng WHO-TEQ/Nm³.

(6): The long term sampling BATAELs do not apply if the emission levels are proven to be sufficiently stable.

Annex A2-d Statement of non-inclusion of the Project in other voluntary or compliance standards schemes

Project Title:	VINCA Landfill Gas and Energy from Waste facilities
Project Type:	Large Scale Project – Renewable Energies Activity
GS Project ID:	
SDG Impact Methodologies applied	SDG 13 Climate Action SDG 6 Clean water and sanitation SDG 7 Affordable and clean energy SDG 11 Sustainable cities and communities
Date:	24.01.2020

Declaration:

The Project Participants as listed below hereby certify and declare that the project (VINCA Belgrade) as submitted to SustainCert for being certified and as described in the related PDD, is not registered with any other other voluntary or compliance standards schemes

Project Developer:

ENTITY NAME: BEO ČISTA ENERGIJA D.O.O. BEOGRAD	
ENTITY PLACE OF INCORPORATION: registered address at Tošin bunar 272v, Registration number 21319775 and Tax identification number 110224482	
LAST NAME: THIEL	MR. Philippe THIEL
FIRST NAME: Philippe	TELEPHONE: +381 11 715 48 85 +33 (0)6 78 09 81 34
ROLE: BCE Managing Director	FAX: +381 11 715 48 86
EMAIL: philippe.thiel@suez.com	ADDRESS: Tosin bunar 272 v, 2 nd floor 11070 Belgrade, Serbia

ENTITY NAME: SUEZ VINCA OPERATOR D.O.O. BEOGRAD	
ROLE: PROJECT MANAGER FOR THE SPV	
CONTACT DETAILS	MR. Philippe Thiel
LAST NAME: THIEL	TELEPHONE: +381 11 715 48 85 +33 (0)6 78 09 81 34
FIRST NAME: Philippe	FAX: +381 11 715 48 86
EMAIL: philippe.thiel@suez.com	ADDRESS: Tosin bunar 272 v, 2 nd floor 11070 Belgrade, Serbia

Gold Standard

ENTITY NAME: SUEZ CONSULTING	
ROLE: ACCOUNT HOLDER AND CERTIFICATION CONSULTANT	
CONTACT DETAILS	MS.: Flora Dordé
LAST NAME:	TELEPHONE: + 33 6 44 19 77 48
FIRST NAME:	FAX:
EMAIL: flora.dorde@suez.com	ADDRESS: Parc de L'île 15-27, Rue du Port 92022 NANTERRE CEDEX - France

The following signatories represent and warrant that they have the authority to make the representations contained in this Cover Letter as of the date first written above.



Name: Philippe Thiel & Vladimir Milovanovic, Managing Directors
Entity: BEO ČISTA ENERGIJA D.O.O. BEOGRAD



Nathanaël Jean-Marie Tilly
Digitally signed by
Nathanaël Jean-Marie Tilly
Date: 2020.04.09
17:15:05 +02'00'

Name: Philippe Thiel & Nathanaël Tilly, Managing Directors
Entity: SUEZ VINCA OPERATOR D.O.O. BEOGRAD



Name: Flora Dordé
Entity: SUEZ CONSULTING



SAFEGE / SUEZ Consulting
15-27 rue du Port 92022 Nanterre Cedex France
Tel : +33(0)1 46 14 71 00 - Fax : +33(0)1 47 24 77 88

Annex A3-a. Deed of appointment

DEED OF APPOINTMENT

By virtue of this Deed of Appointment and in accordance with Clause 5.2 of the Terms of Use of the Gold Standard Foundation, the company **BEO ČISTA ENERGIJA D.O.O. BEOGRAD**, a limited liability company organized and existing under the laws of the Republic of Serbia, registered with the Serbian Business Registers Agency under the company registration number 21319775 and the company tax ID number 110224482 and with its registered seat at Tošin Bunar 272v, 11000 Belgrade, Serbia ("**Project Developer**" or "**BCE**"), appoints and authorizes:

SAFEGE / SUEZ CONSULTING, a company organized and existing under the laws of France, under the company registration number 542 021 829 00107 (SIRET), with its registered seat at the address Parc de l'Île - 15-27 rue du Port - 92022 NANTERRE ("**Agent**" or "**Project Representative**"),

to act in the Project Developer's name and on its behalf as its Agent, Project Representative, and Account Holder before the Gold Standard Foundation in accordance with the Terms of Use and, in that capacity, to open an account in the Gold Standard Registry or App in accordance with Clause 4.2 of the Terms of Use on behalf of the Project Developer.

In countersigning this Deed of Appointment, the Agent agrees and accepts its appointment as agent and that, in acting in that capacity, it shall observe the following limitations:

- In regards to Clause 8 (*Recording the Transfer of Units*) of the Terms of Use, the Agent acting as the Account Holder shall obtain prior written consent from BCE before notifying the Gold Standard through the Gold Standard Registry platform upon transferring, selling, assigning, disposing of, or otherwise dealing with or acting upon Units that are listed on the Gold Standard Registry. The Agent as such shall record the action in the Gold Standard Registry.
- In regards to Clause 9 (*Retirement of Units*) of the Terms of Use, the Agent acting as the Account Holder shall obtain prior written consent from BCE before retiring Units in the Gold Standard Registry in accordance with the rules set out in the Terms of Use and the Operative Documents.
- In regards to Clause 13 (*Closing an Account and Termination of these Terms of Use*) of the Terms of Use, the Agent acting as the Account Holder shall obtain prior written consent from BCE before closing an account on the Gold Standard Registry.
- In regards to Clause 18 (*Fees and Charges*) of the Terms of Use, BCE shall pay all Fees payable for use of the Gold Standard Registry, the SC App, and all fees relating to certification, issuance, and other services originating from the use of the Gold Standard Registry and the SC App.
- In regards to Clause 28 (*Assignment and Novation*) of the Terms of Use, the Agent acting as the Account Holder shall not attempt to and may not assign or novate rights or obligations under the Terms of Use without the written consent of BCE.
- The Agent acknowledges that BCE as Project Developer has full ownership and control of any and all Units and that all rights and obligations relating to any and all Units shall remain the prerogative of BCE.

By countersigning this Deed of Appointment, the Agent accepts its appointment, rights and obligations under the terms and conditions hereof, and of the Terms of Use.

In performing its rights and obligations under this Deed of Appointment, the Agent shall, and shall ensure that any of the personnel it employs or otherwise engages shall act fully in accordance with all reasonable instructions (if any) that BCE may give and shall discharge its duties at all times act in good faith and in the best interest of the Project and BCE.

Acting as agent of BCE, the Agent and any of the personnel it employs or otherwise engages shall comply with all applicable laws and exercise all the reasonable skill and care as is to be expected of a properly qualified professional of the relevant discipline experienced in carrying out the activities required or necessary under this Deed of Appointment and the Terms of Use.

The Agent shall be entitled to resign from this Deed of Appointment subject to prior written notice to BCE and upon prior written consent from BCE that should not reasonably be withheld. In any case, such resignation shall be only effective once all necessary transfers of account in the Gold Standard Registry or App have been made to the benefit of BCE.

The Agent will be compensated financially for its services in relation to the Gold Standard certification process under terms and conditions that will be set out in a separate agreement.

Unless defined otherwise herein or the context requires otherwise, the capitalized terms used in this Deed of Appointment shall have the meaning assigned to them under the Terms of Use.

This Deed of Appointment and the authorization of the Agent hereunder are valid from the date hereof and until revoked by BCE in writing. The Agent shall notify Gold Standard immediately upon receiving such written revocation from BCE.

Dated on January 23, 2020

For the Project Developer:


Name: Philippe Thiel
Title: Managing Director (*direktor*)

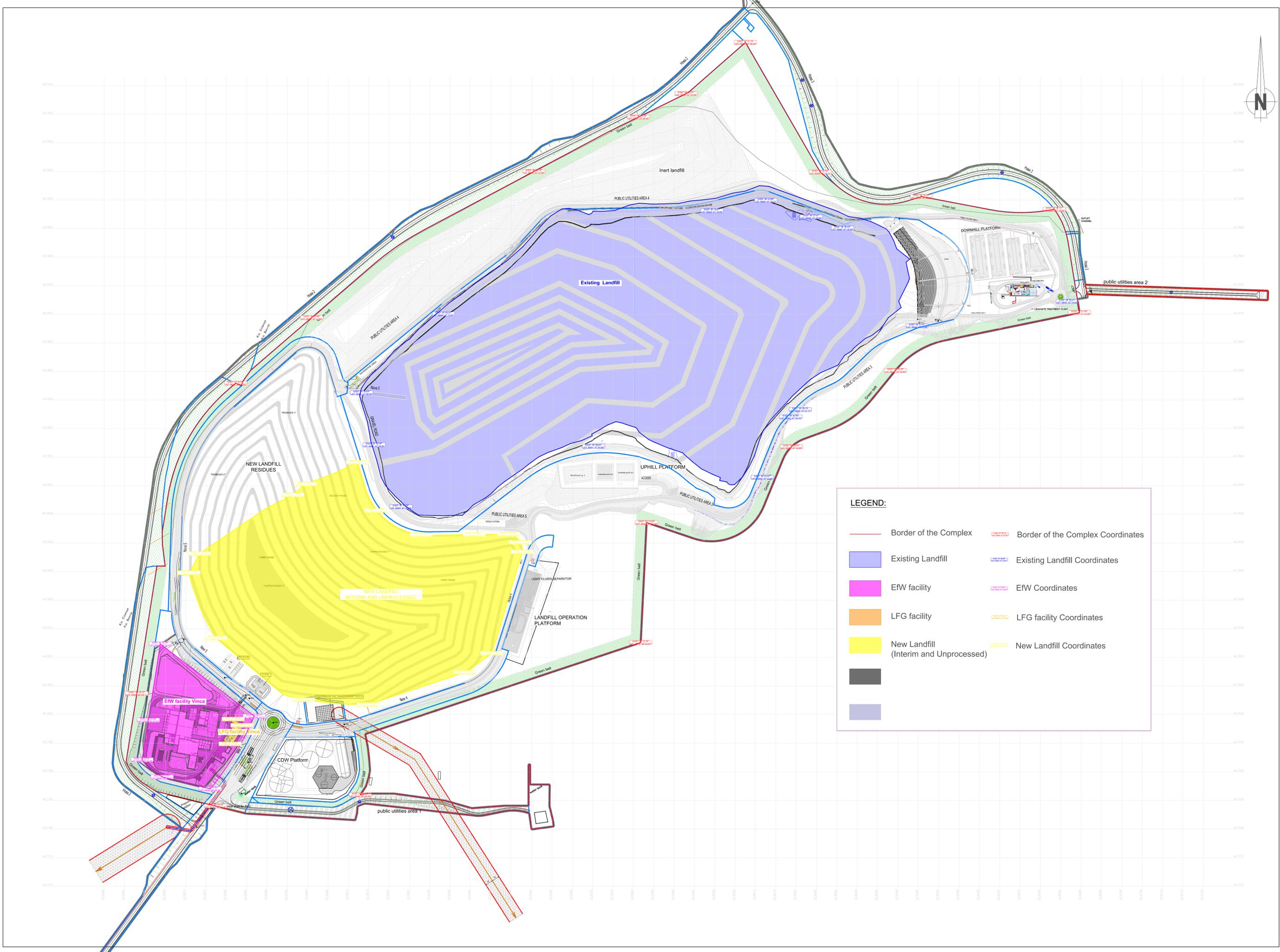

Name: Mitsuaki Harada
Title: Managing Director (*direktor*)



Acknowledged and accepted by the Agent:


Name: Camille-Léa PASSERIN
Title: Director of Consultancy & Strategy
department

Annex A4-a. GPS Coordinats



LEGEND:

	Border of the Complex		Border of the Complex Coordinates
	Existing Landfill		Existing Landfill Coordinates
	EW facility		EW Coordinates
	LFG facility		LFG facility Coordinates
	New Landfill (Interim and Unprocessed)		New Landfill Coordinates
			
			

Annex A8-a Consultation Participants Listing

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Списак присутних 20.12.2018.

Ред. бр.	Име и презиме	Контакт телефон	Е-mail адреса	Организација
1	Веснић			
2.	Веричић			
3.	Маријана			
4.	Слободан			
	Милош			
	Милутиновић			
	Арсен			
	Јасмина			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
	Ракић			
	Љево			
	Петровић			
	Даша			
	Мартин			
	Александар			
	Бобан			
	Горан			
	Аница			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
	Оливера			
	Дорн			
	Мирна			
	Јордан			
	Урош			
	МАРКО			
	Јанковић			
	Ђорђевић			
	НИКОЛИЋ			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
	БОБАН			
	Anica			
	goran			
	ljubisa			
	ivana			
	Sasa			
	Marija			
	Aleksander			
	Mira			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
	Dejan			
	Andreas			
	VOJKAN			
	BOHUBNIK			
	Никола			
	БОБАН			
	АЛЕКСАНДАР			
	Никола			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
18	ТЕРЗИЋ			
19	ДАНЈЕЛА			
20	ТАМАРА			
21	Беквић			
22	PRINCEM			
23	Urop			
24	Ташућ			
25	Sleino			
26	NEGONTAR			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
	БОЈАНА			
	ПАВЛЕ			
	НАТАША			
	ТАКА			
	НЕБОЈКА			
	Маријана			
	Стеваница			
	Зоран			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постојеће Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
27	Немања			
28	ДРАГАН			
29	РАДОЈЕ			
30	Миша			
31	Никола			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
	Мирко			
	Зоран			
	Никола			
	Јелена			
	Александар			
	Јованка			
	Радо			
	Милош			
	Срђан			

Зоран

Уладо

Милош

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Списак присутних

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
1.	Стево		/	
2.	Вукић			
3.	Милошевић		/	
4.	Руджа			
5.	Милево			
6.	Милош			
7.	VELENA			
8.	Милена		/	

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
9.	Слабана			
10.	З. Ђуџић			
11.	Александра			
12.	Анута			
13.	ЕМА			
14.	Александра			
15.	Јелена			
16.	Иван			
17.	TATJANA			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Списак присутних 21.12.2018.

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
1.	БОЈАНА			
2.	ПАЗЛЕ			
3.	ЦВАНА			
4.	Тодор			
5.	Вук			
6.	Шахи			
7.	Александар			
8.	Масит			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
9.	Katarina			
10.	Небојна			
11.	VLADAN TUDJANA			
12.	АНА			
13.	БУКИМИР			
14.	Јасмина			
15.	СТЕВИСЛАВА			
16.	ЈАТАШКА			
17.	JELENA			

Јавне консултације за процену утицаја на животну средину и социјална питања (ESIA) за Постројење Винча за производњу енергије из отпада, изградњу нове депоније и ремедијацију постојеће депоније

Ред. бр.	Име и презиме	Контакт телефон	E-mail адреса	Организација
18.	Ватка,			
19.	АНА			
20.	MILAN			
21.	Aleksandar			
22.				
23.				
24.				
25.				
26.				

Annex A8-b Consultation Presentation Support

PROJECT BACKGROUND AND DEVELOPMENT

Project Background:

- At the Vinča landfill, located just west of Belgrade approximately 12 km from the city center and adjacent to the Danube, a typical non-hygienic landfill has been formed during more than 40 years of works.
- The consequence of this landfill creation and operation has been pollution of the waters of Ošljanski potok (Ošljan stream) and further Ošljanska bara (Ošljan pond), contamination of the surrounding agricultural land and air.
- The site is currently operated by PUC Gradska čistoća, Beograd (GC), the waste management company owned by the City.
- The current condition imposes a need for a planned solution of rehabilitation, as well as for expanding of the existing landfill Vinča in line with good international practice.



Project Development:

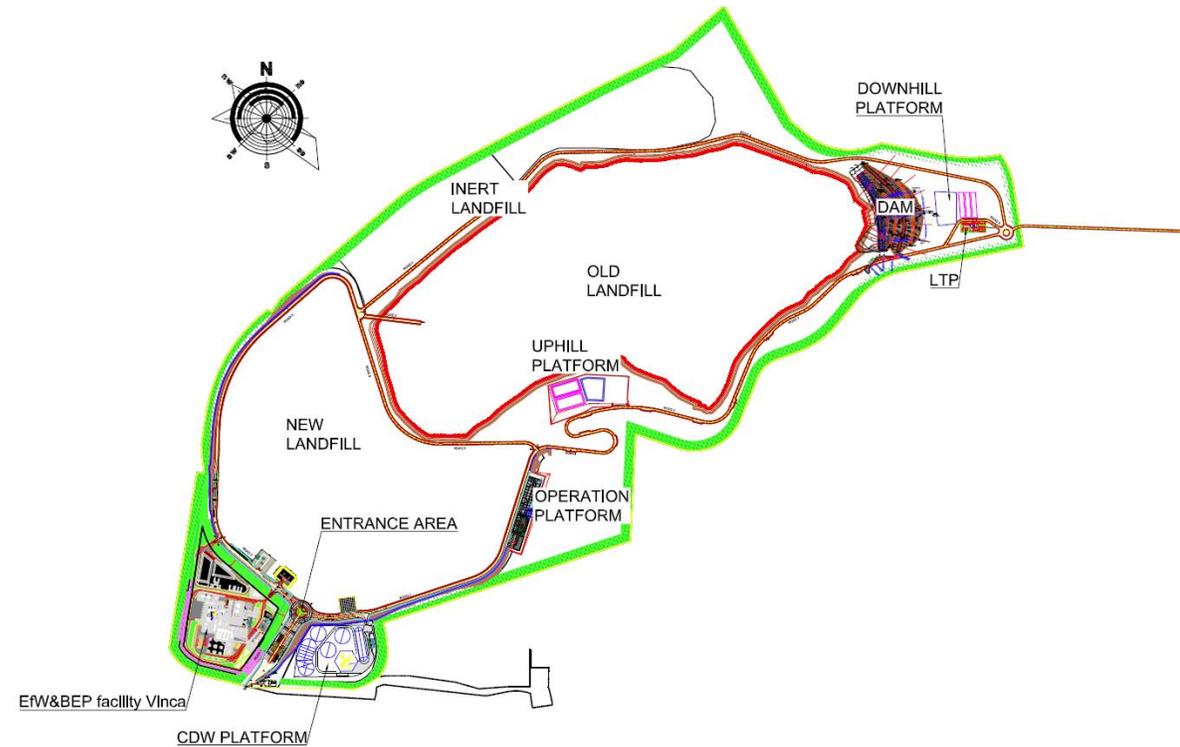
- On 21st August 2015, as part of the Waste Management System for the City of Belgrade, the City of Belgrade decided to improve the current solid waste disposal practice through a Private Public Partnership.
- On August 28th 2017, Suez-Itchu was awarded the PPP Contract, which was signed on 29th September 2017 in Belgrade.
- The project is the first project of its kind in Serbia and International Financial institutions are going to be substantially involved in the project financing.
- The Detailed Planned of Regulation for the project was adopted on 25th September 2018 by the Belgrade City Assembly



PROJECT DESCRIPTION

The Project includes:

- The closing the existing landfill site after remediation and stabilization with final capping;
- A leachate and landfill gas treatment facilities, and landfill gas energy recovery facility.
- An Energy from Waste facility with the nominal combustion capacity of about 340,000 t/year of municipal waste, which will generate a combination of electricity (~192 GWh/y) and heat (~175 GWh/y);
- A sanitary landfill for the portion of municipal waste not processed at the EfW Facility i.e **circa 170,000 t/year**;
- A landfill for the disposal of EfW residues;
- A treatment facility for Construction & Demolition Waste (CDW) to produce recoverable inert CDW, recovery and storage of recoverable inert CDW, and
- An inert landfill for the respective CDW treatment residues;
- The construction of a dam (supporting structure) at the downstream of the existing landfill,
- A 35KV and 110 KV overhead Transmission Lines for connection of electrical energy produced in EfW and BEP and electricity supply
- A hot water pipeline for heat offtake, connection to the heating plant TO konharnik"



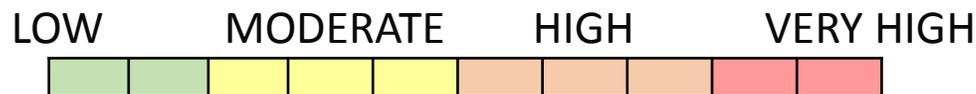
- All parts of projects are designed in accordance with EU, International Finance Institutions (EBRD, EIB, IFC) requirements and Serbian and EU standards.
- The project will use conventional and proven technologies,
- with a highly integrated management of run-off water, wastewaters, landfill gas, and waste in order to limit as far as possible the external outputs by internal reuse.

PROJECT PARTICIPANTS AND RESPONSIBILITIES

Stage	Activities	Scope	Responsibilities
Pre-Construction	Land Acquisition	Vinca Complex & 110kV and 35kV Electricity Connections	City of Belgrade
		District Heating Network	City / Beolektrane
Pre-Construction	Detailed Planned of Regulation (DPR)	Vinca Complex & 110kV and 35kV Electricity Connections	City of Belgrade
		District Heating Network	City / Beolektrane
Pre-Construction	Construction Permit	Vinca Complex & 110kV and 35kV Electricity Connections	Beo Čista Energija (BCE)
		Dam	City of Belgrade
		District Heating Network	City / Beolektrane
Pre-Construction	Environmental Impact Assessment	Vinca Complex & 110kV and 35kV Electricity Connections	Beo Čista Energija (BCE)
		District Heating Network	City / Beolektrane
Pre-Construction	RAP / LRP	Implementation of Resettlement Action Plan and Livelihood Restoration Plan	City of Belgrade
Construction	Engineering / Procurement / Construction / Commissioning	Energy From Waste	BCE / CNIM
		Landfill Gas Facility / Leachate Treatment Plant / Construction and Demolition Waste Plant	BCE / Suez Vinca Operator
		Landfill	BCE / EnergoProjekt Niskogradnja
		Dam	City / Dam Contractor
		District Heating Network	City / Beolektrane
Service	Operation / Maintenance and Monitoring	Vinca Complex & Dam	BCE / Suez Vinca Operator

Environmental impact and mitigation measures

- Impact analysis covered all project phases: preconstruction, construction, operation and dismantling phases, as well as possible technological risks, possible cumulative impacts with associated infrastructure (but not part of the ESIA) and possible cumulative impacts with other known project in the area.
- Impacts were assessed for: surface and underground waters, soil, habitats, flora, fauna, protected nature areas, air quality including odor occurrence, climate change, noise increase, landscape, cultural heritage, infrastructure, waste management.
- During the construction all expected negative impacts were assessed as low to moderate.
- Summary of the impact assessment during operation is shown on the left.



Topic	Impact	Assess.
Waters	Local temporary or permanent interception of groundwater flow, in low water supply and modest yield sediments with poor permeability.	
Soil and agricultural land	Seepage of polluted water into the soil and agricultural land.	
	Waste spreading from the landfill, carried by wind or birds.	
	Dispersion of dust from the CDW (grinding of construction waste).	
	Soil erosion.	
	Soil excavation.	
Biodiversity	Possible soil erosion and appearance of invasive species.	
	Natural increase of biodiversity of plants at the old landfill site.	+
	Decreasing water pollution and improving ecological conditions of Ošljanski potok (Ošljan stream) and Ošljanska bara (Ošljan oxbow ponds)	+
	Forming of dust covers over the vegetation near the CDW platform.	
	Large animals entering and feeding on the landfill.	
	Changes of populations of birds feeding on the landfill (especially black-headed gull) closer to natural population dynamics.	+
	Reduction of toxic material ingestion.	
	Fauna disturbance due to light pollution.	
Impact of EfW air emissions on the fauna.		
Protected areas	Improvement of habitat conditions due to the decrease of Ošljanska bara (Ošljan oxbow ponds) pollution.	+
Air	Exceedence in NO ₂ and Benzene according to IFC and Serbian standards.	
Noise	No impacts from project operation on noise.	
Landscape	Visual impact of project elements (long distance - the EfW chimney, short distance-other project elements).	
Cultural heritage	General degradation of the cultural context.	
Infra-structure	Increase of future traffic (deliveries). Waste vehicles, as well as private vehicles on-site, present potential risk of collision.	
	Possible transfer of mud from the wheels onto the roads outside the landfill site.	
Waste	Different types of waste will be generated on site.	

Environmental impact and mitigation measures

- The design project foresees a number of measures for:
 - Surface and ground waters protection (e.g. lower impermeable layer at the new landfill, leachate treatment plant, landfill capping system),
 - Biodiversity protection,
 - Air quality protection (e.g. NOx reduction system),
 - Noise reduction.
- The project has a waste management procedures planned.
- The design project foresees greenbelt planting or use of local vegetation around the whole site.
- The EfW design project is aligned with BAT (Best Available Techniques).
- **The Operator will implement the Environmental and Social Management System.**
- **MONITORING PLAN** (during operation and after):
 raw leachate (produced by the landfills and collected in the leachate ponds) quality and quantity; quality and quantity of treated leachates (before discharging them), internal runoff water quantity and quality; underground water quality; landfill stability; peripheral dikes and stabilization dam stability; landfills capping and bottom; air emission concentration; air quality; noise level; meteorological data; bird population

Topic	Preconstruction phase measures	Construction phase measures	Operation phase measures
Waters	✓	✓	✓
Soil and agricultural land		✓	✓
Biodiversity		✓	✓
Air quality	✓	✓	✓
Noise	✓	✓	✓
Landscape	✓	✓	✓
Cultural heritage	✓	✓	
Traffic and transport		✓	✓
Waste		✓	✓

SOCIAL AND IMPACT MITIGATION MEASURES

RESETTLEMENT PLAN FOR HOUSEHOLDERS LIVING IN INFORMAL SETTLEMENT LOCATED ON THE VINČA LANDFILL AS WELL AS FOR RESTORATION OF LIVELIHOODS OF WASTEPICKERS ON THE VINČA LANDFILL

In the northern part of the planned construction complex, near current fence for the landfill, the informal settlement is located. During the latest census, 17 householders are registered in this settlement.

Preparation of the resettlement plan

- By virtue of the Decision of the Mayor of the City of Belgrade, Working Group was formed responsible for the development and monitoring of the implementation of the Resettlement Plan
- Resettlement plan has been drafted in line with accepted international standards - IFC PS5, EBRD PR .5 legalisation of the Republic of Serbia, as well as principles of strategic documents currently defining the social inclusion policy framework in Serbia .
- During the period between 2014 and 2018, teams consisting of representatives from the Secretariat for Social Protection and the Centre for Social Protection collected data on households living in the informal settlement which will be resettled, as well as on the companies and individuals who engage in collection and sorting of secondary raw materials at the landfill. Based on collected data, social-economic survey has been performed which is integral part of Resettlement Plan.

The objective of the Resettlement Plan

The objective of the Resettlement Plan is to ensure a comprehensive approach to planning and other resettlement-related activities in connection to resettlement of households from the location of the „Vinča“ landfill, as well as to secure adequate living conditions for resettled individuals which fully reflecting human rights standards, as well as livelihood restoration for those whose incomes will be affected by the Project.

Providing place for living

- **Householders with place of residence on the territory of the City of Belgrade**
 - Construction (if the householders own only a land) or refurbishment of the house
 - Accommodation in already built apartment of the City of Belgrade
- **Householders with place of residence on the territory out of the City of Belgrade**

Other rights related to the resettlements

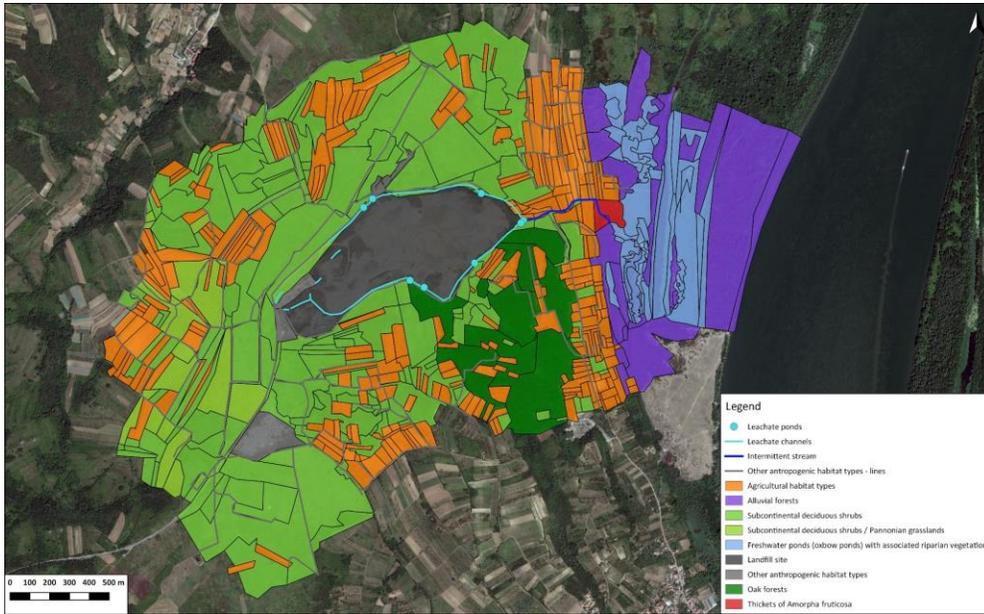
Help in obtaining of the personal documents, help with enrolment of children to school, assistance in exercising the right to social protection and social assistance, employment assistance and re-establishing the source of income.

Monitoring, evaluation and reporting

Monitoring of the implementation of the Resettlement Plan will be conducted by the Working Group in cooperation with all other actors involved in the implementation of the Resettlement Plan, at least two years after the resettlement or the termination of work of waste pickers.



Environmental aspects having a social impact



Pollution of soil and agricultural land can occur as a result of:

- Leachate seepage into the soil and agricultural land,
- Waste spreading from the landfill, carried by wind or birds,
- Dispersion of dust from construction waste grinding,
- Soil erosion.

Since the project will improve the existing state of the Vinča landfill with the new landfill, operating platform, leachate treatment plant (LTP), control zone at the landfill complex entrance, and greenbelt planting with all designed improvements, possibility of leachate, dust and waste penetration into soil and agricultural land is very low.

Future traffic to and from the landfill is expected to increase by approx. 6%.

Topic	Impact	Assess.	Measure
Social risks and impacts	Preconstruction activities will generate additional job opportunities and activities in the surrounding region	+	<i>Positive impact - no measures needed.</i>

Topic	Impact	Assess.	Measure	Assess.
Social risks and impacts	CONSTRUCTION PHASE		✓	
	Temporary disturbance of everyday life/ Impacts from noise, dust and exhaust gases		✓	
	Presence of an outside workforce - it is expected that the contractor/s will bring the workers to the construction sites on a daily basis - the workforce is less likely to have a negative impact on settlements; indeed, many of the less specialized workers could be hired locally and would live at home.	+	✓	+
	Short-term employment opportunities. - direct employment at the construction sites and supporting services (catering, transport, etc.)	+	✓	+
Social risks and impacts	OPERATION PHASE		✓	
	Positive impacts could arise from the employment of local human resources and labor force, utilization of local accommodation and food industry capacities for workers and collaborators, rise of local consumption of food, drinks and other everyday necessities.		✓	
Social risks and impacts	Potential influence on health and income	+	✓	

MAJOR BENEFITS OF THE PROJECT

- The global Vinča project (EfW and landfills) will allow Belgrade to treat its Municipal Solid Waste flow in compliance with the relevant EU standards including Best Available Technologies
- The social impact will be clearly positive, the project creating more than 520 jobs during the construction phase, and about 120 during the 25 years of the operation phase, and will create even more indirect jobs
- The key environmental impact is the elimination of the leachate flow to the downstream area: Ošljanski potok and further Ošljanska bara will slowly recover from past pollution when the existing source of pollution will be run out thanks to the leachate treatment plant and the old landfill remediation
- Biodiversity will be improved through the management of old and new landfills and the creation of a green belt
- The project will have a positive impact on greenhouse gas emissions, thanks to the production of renewable energy (electricity and heat production), and thanks to the recovery of landfill gas from the old and the new landfills

NEXT STEPS

Environmental Procedure

- 1 ESIA (international finance institutions procedure) | Under Finalization
- 1 EIA for EfW according to Serbian Regulation | Ongoing
- 1 EIA for landfill according to Serbian Regulation | Ongoing

Social Aspects

Monitoring, evaluation and reporting

- Monitoring of the implementation of the Resettlement Plan will be conducted by the Working Group in cooperation with all other actors involved in the implementation of the Resettlement Plan, at least two years after the resettlement or the termination of work of waste pickers.

