



Water Footprint Verification Verification Opinion Statement

This is to verify that:

Zorlu Enerji Elektrik Üretimi A.Ş. (Lüleburgaz Doğalgaz Santrali)

Lüleburgaz Doğalgaz Santrali / Yeni Mah. Büyükkarıştıran, Lüleburgaz, Kırklareli

Coordinates: 41.278499, 27.586146

Bursa Santrali; Organize Sanayi Bölgesi, Pembe Cadde No:13 Nilüfer/Bursa

Yalova Santrali; Tokmakköy Mevkii İpek Kağıt Fabrikası içi Altınova/Yalova

Holds Statement No: **WFV 687827**

WATER FOOTPRINT DETAILS

Reporting Year(s): 01/01/2017-31/12/2017
Date of Water Footprint Report: 19th January 2018

FACILITY VERIFICATION DETAILS

Proportion of facilities inspected during the verification? 100%

OPINION - verified:

BSI Group Eurasia Certification Services Inc has conducted a verification of the direct water footprint reported by Zorlu Doğal Elektrik Üretimi A.Ş. in its Water Footprint Report dated 19.01.2018 and presented above. On the basis of the verification work undertaken (see Annex 1) these data are fairly stated.

OPINION - verified with comments:

As a result of carrying out the verification of direct water footprint inventory, it is the opinion of BSI that

- The direct water footprint inventory was conducted in accordance with the requirements of ISO 14046:2014 Environmental Management – Water Footprint – Principles, Requirements and Guidelines.
- No material misstatements in this direct water footprint inventory.
- Data collection period: dd./01.01.2017- 31.12.2017

Data quality was considered acceptable in meeting the principles as set out in ISO 14046:2014.

Lead Verifier :

Mehmet Kumru

Technical Reviewer :

Özlem Ünsal

Signed on behalf of BSI Group Eurasia
Certification Services Inc :

Date of Opinion :

28.06.2018



BSI GROUP EURASIA
BELGELENDİRME HİZMETLERİ
LİMİTED ŞİRKETİ

Aşkın ALKAN
Finans Müdürü

ANNEX 1 - BASIS OF THE OPINION

Zorlu Enerji Elektrik Üretimi A.Ş. (Lüleburgaz Doğalgaz Santrali)
 Lüleburgaz Doğalgaz Santrali / Yeni Mah. Büyükkarıştıran, Lüleburgaz, Kırklareli
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Lüleburgaz Power Plant Direct Water Footprint Results;

Water resource	Water type	Amount of water taken (tonnes/year)
Raw water Basin	Underground Water - Nonrenewable	652.814
Water Booster	Underground Water - Nonrenewable	2.398
Condensate return	Recycled Water	31.224
	TOTAL	686.436
Total Use (Raw water, RO, cooling tower, water booster)		575.174

Bursa Power Plant Direct Water Footprint Results;

Water resource	Water type	Amount of water taken (tonnes/year)
1 st Quality tap water	Tap water	2.495
2 nd Quality tap water	Recycled water	7.172
	TOTAL	9.667

Yalova Power Plant Direct Water Footprint Results;

Water resource	Water type	Amount of water taken (tonnes/year)
Tap water	Dam water	21.376
Raw water	Underground water	73
	TOTAL	21.449
Total Use (Raw water, drainage, administrative building)		21.376