

Annex 7 Geothermal Power Generation Equipment Water Use and Tailwater Reinjection Volume Reporting Form

I. Instructions for Completion

- (I) This reporting form is established pursuant to Paragraph 6, Article 15-3 of the Renewable Energy Development Act.
- (II) Operators of geothermal power generation equipment shall record daily water consumption for power generation, Tailwater Reinjection volume, and other necessary matters, and shall submit quarterly reports to the competent authority and the municipal or county (city) water resources authority for recordation.
- (III) “Quarterly” refers to: January–March as the first quarter; April–June as the second quarter; July–September as the third quarter; and October–December as the fourth quarter.
- (IV) Quarterly reporting forms shall be submitted by the fifteenth day of the month following each quarter. For example, the first-quarter report shall be submitted by April 15 of that year, and so forth. The fourth-quarter report shall be submitted by January 15 of the following year.
- (V) If an operator of geothermal power generation equipment fails to submit the required report within the prescribed period, the case shall be handled in accordance with Paragraph 2, Article 20-1 of the Renewable Energy Development Act.
- (VI) If geothermal hot water and steam are both used simultaneously for power generation, two-phase flow measurement errors shall be avoided. The measurement instruments used for the water-use and Tailwater Reinjection reporting form shall be installed at an appropriate location after the heat exchanger, and the pipeline entering the heat exchanger shall be a single closed line

without any other withdrawals.

II. Geothermal Power Generation Equipment Water Use and Tailwater

Reinjection Volume Reporting Data

Reporting Quarter: Year____ Quarter____		Check	License/Certificate No.
Licenses Issued	Renewable Energy Power Generation Enterprise License		
	Self-Use Power Generation Equipment Registration Certificate		
	Renewable Energy Power Generation Equipment Registration Document		

1. Basic Information

1.Declarant (holder of the Development Permit)	Name		
	Tax ID No.		
	Address		
2.Representative (if none, this section may be omitted)	Name		
	National ID No.		
	Address		
3. Site	Land No.		
4. Permit Documents		Development Permit	Water Rights Certificate
	Document no.		
	Date of issuance	Year Month Day	Year Month Day
	Period of validity	Year Month Day	Year Month Day
Reporting Agency Contact Person			Applicant Agency
Name		Organization/Position	
Phone			
E-mail			
Mobile			
Fax			

2. Geothermal Well Data

(1) Production Wells

Production Wells					Total of ____ Wells	
1. (Well No.)	Registration certificate no. of the equipment supplying geothermal energy to the power generation equipment					
	Well location coordinates	TWD97 TM two-degree zone coordinates		Land section and land no. (including administrative district)		
		X	Y			
	Geothermal Well Specifications	Well diameter		Installed well depth	Screened depth	
		inches		meters		
	Use of a downhole electric pump	☐ Yes	Brand			
			Model			
		☐ No				
	The highest wellhead temperature this quarter	°C		Maximum water supply	TPH	
Note: If additional space is required, please create additional tables.						

Water-Use Measurement Equipment					
Equipment No.	Brand	Model	Last Calibration		Installation Point (please attach diagrams and photographs in the annex)
			Date	Unit	Attachment No.

(2) Reinjection Wells

Reinjection Wells					Total of ____ Wells
1. (Well No.)	Registration certificate no. of the equipment supplying the geothermal power generation equipment				
	Well location coordinates	TWD97 TM two-degree zone coordinates		Land section and land no. (including administrative district)	
		X	Y		

	Geothermal well specifications	Well diameter		Installed well depth	Screened depth
		inches		meters	
	Use of a downhole electric pump	☐ Yes	Brand		
			Model		
		☐ No			
The highest wellhead temperature this quarter			°C	Maximum water supply	TPH

Note: If additional space is required, please create additional tables.

Reinjected Water Measurement Equipment					
Equipment No.	Brand	Model	Last Calibration		Installation Point (Please attach diagrams and photographs in the annex)
			Date	Unit	Attachment No.

3. Water Used and Reinjecting Water for the Month of _____, Year _____

Date	1	2	3	4	5	6	7	8	9	10	
Volume of water used (m ³)											
Volume of reinjected water (m ³)											
Ratio of reinjected water (%)											
Date	11	12	13	14	15	16	17	18	19	20	
Volume of water used (m ³)											
Volume of reinjected water (m ³)											
Ratio of reinjected water (%)											

Date	21	22	23	24	25	26	27	28	29	30	31
Volume of water used (m ³)											
Volume of reinjected water (m ³)											
Ratio of reinjected water (%)											
(Ratio of reinjected water (%)) : $\frac{\text{Volume of reinjected water}}{\text{Volume of water used}} \times 100\%$											

Year Month	Volume of water used:		Volume of reinjected water:		Ratio of reinjected water:	
	Date of form completion:				Person completing the form:	

4. Relevant attachments, diagrams of measurement equipment installation points, and photographs