

## Standard Excess Rate of Specific Soil Pollution Control Target Facilities for Recent 5 Years Reduced by Strengthening Soil Environmental Policy

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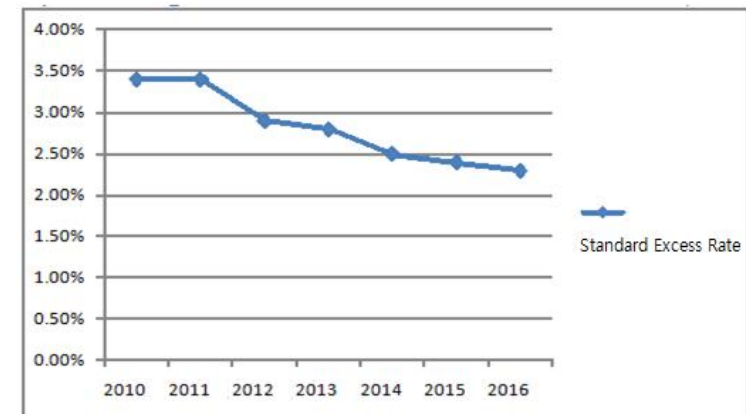
### 1. Overview

- As a result of investigation on the soil pollution level about specific soil pollution managed facilities in 2016 to utilize as preliminary data for establishing the soil environmental conservation policy, 190 facilities, 2.3% of 8,278 research subjects exceeded the standard of concerns about soil pollution.
  - Specific soil pollution control target facilities around the country in 2016 are 21,877 facilities. Most of them are petroleum storage facility and the gas station accounts for 64.8% of the whole facilities (14,169 stations).
- This result shows the trend that the rate exceeding the standard for last 5 years including 2015, the previous year has been dropping steadily and it can be interpreted as the result that strengthens the regular/irregular instruction/inspection of soil pollution level.

### 2. Major Aspects

- Investigation of soil pollution level for recent 5 years shows that excess rate of the soil pollution concern standard has been declining steadily for 5 years such as 2.3% in 2016, 2.4% in 2015, 2.5% in 2014, 2.8% in 2013, 2.9% in 2012 and 3.4% in 2011.

<Excess rate of soil pollution level inspection>



- According to the type of facilities exceeding the standard last year, gas station was the most facilities with 127 places, followed by industrial facilities with 30 places and harmful chemicals storage facilities with 2 places.

<Standard Excess Status by Facility>

Item	Gas station	Industrial facility	Harmful chemicals storage facility	Etc
Inspection of	5,547	1,578	356	797
Number of exceeding standard (excess rate .0)	127(2.3%)	30(1.9%)	2(0.6%)	31(3.9%)

- Regionally, Gyeonggi-do has the most facilities exceeding standard with 69 places, followed by Gyengbuk with 16 places, Seoul-Chungnam with 15 places respectively, etc.

<Regional standard excess status>

Seoul	Busan	Daegu	Incheon	Gwangju	Daeseon	Ulsan	Gyeonggi	Gangwon	Chungbuk	Chungnam	Jeonbuk	Jeonnam	Gyeongbuk	Gyeongna	Jeju	Sejong
15	10	5	4	2	4	1	69	8	13	15	13	10	16	5	0	0

- The person who wants to install specific soil pollution control target facility in accordance with 「Soil Environment Conservation Act」 shall report to mayor · county governor · ward chief and shall be subject to regular or irregular inspection of soil pollution level. And, local governments conduct guidance · checks whether pollutants and prevention facilities are managed properly each year.
- The ME arranged the competent local governments to impose the in-depth investigation of soil pollution or purification measures order of polluted soil on the facilities that exceeded the soil pollution concern standard at that time of findings in 2015. In case of nonfulfillment of such order, the ME can order to stop using the said facilities and the facilities are punished by penalty (imprisonment not more than two years or a fine not exceeding 20 million won).
  - In addition, the ME posts and is utilizing 'Soil Environment Management Plan Manual of Obsolete Gas Station' on the website of ME(www.me.go.kr) to strengthen the autonomous management of gas stations accounting for most of facilities exceeding standard.
- The ME plans to strengthen the management of specific soil pollution managed facilities such as the legislation of constant leakage surveillance system which can monitor whether soil pollutants are leaked at real time and can immediately respond to the leakage.

- The constant leakage surveillance system provides the manager with the leakage information if the leakage of soil pollutants is detected by the sensor installed on the storage tank and the pipe, and the pilot project have been carried out for gas stations attached to Big 4 oil companies(SK, GS Caltex, Hyundai Oil Bank and S-OIL) till 2016~2017 and the legislation is to be initiated base on the result of this pilot project.

### 3. Source

- Ministry of Environment (www.me.go.kr)