

Form 2

Dioxins and Furans

**Send filled form to
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<p><u>Country (or region)</u></p> <p style="text-align: center;">China</p>	<p><u>Contact person</u></p> <p style="text-align: center;">Yue Ruisheng</p>
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IMPORTANT: See instructions before filling the form

<p>SECTION 1. Have studies been undertaken to identify the major sources of dioxins/furans in your country?</p>	<p>Yes <input checked="" type="checkbox"/></p> <p>No <input type="checkbox"/></p>
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Comments:

We have had a few projects (not big ones) on PCDD/Fs sponsored by the National Nature Science Foundation of China (NSFC) and/or by the Chinese Academy of Sciences since the beginning of 90's

Reference:

1. Jiang Ke, Li Linjun, Chen Yudong et al., The Analysis of Specific Dioxin Congeners in the Emission from Testing Incinerator, Organohalogen Compounds, 23:451(1995)
2. Zheng Minghui, Bao Zhicheng, Wang Keou, Xu Xiaobai, Formation of PCDD/Fs from the Pyrolysis of HCH in the Presence of Iron Oxide, Chemosphere (1996) 32, 595

Date:

SECTION 2.

POTENTIAL OR IDENTIFIED MAJOR SOURCES OF DIOXINS AND FURANS IN YOUR COUNTRY

Sources	Quantity released per year	Relative importance Major/Minor	Alternative processes or techniques(e.g. cleaner technologies) known to you	Relative cost and effectiveness of the alternative techniques
Asphalt mixing installations	NA	Major <input type="checkbox"/> Minor <input type="checkbox"/>	NA	
By-products of chlorinated substances manufacture	NA	Major <input type="checkbox"/> Minor <input type="checkbox"/>		
Cable incineration	NA	Major <input type="checkbox"/> Minor <input type="checkbox"/>		
Chemical industry	NA	Major <input type="checkbox"/> Minor <input type="checkbox"/>		
Coal combustion	NA	Major <input type="checkbox"/> Minor <input type="checkbox"/>		

Contaminated pesticides	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Forest/grass fire	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Fuel combustion	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
High temperature processes	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Wastes incineration	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Industrial processes	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Ironworks	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Landfill gas incineration	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Non-Fe metal industry oil combustion	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Other contaminated chemicals (e.g. PCBs)	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Pesticides	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Sintering processes	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Sludge incineration	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Steel industry	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Traffic emissions	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Transportation	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Waste incineration (Hazardous)	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Waste incineration (Municipal solid)	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Waste incineration (Medical solid)	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Wood combustion	NA	Major <input type="checkbox"/>	Minor <input type="checkbox"/>		
Other:		Major <input type="checkbox"/>	Minor <input type="checkbox"/>		

SECTION 3. RELEASE MONITORING

	Monitoring type	Short description(add separate page if needed)
3.1	Ambient air Yes <input type="checkbox"/> No <input type="checkbox"/>	

3.2	Ground water Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.3	Surface water Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.4	Point air Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.5	Point water Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.6	Soil Yes <input type="checkbox"/> No <input type="checkbox"/>	TEQ of sediments from schistosomiasis area is higher than those from non-disease area
3.7	Ecosystem Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.8	Human Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.9	Agricultural commodity Yes <input type="checkbox"/> No <input type="checkbox"/>	
3.10	Food products Yes <input type="checkbox"/> No <input type="checkbox"/>	

Comments:

No regular monitoring

Data Source:

Jiang Ke, Li Linjun, Chen Yudong, et al., Science Bulletin, 40:846,1995

SECTION 4. REGULATORY ACTIONS TAKEN TO CONTROL THE USE OF THE POP

	Action type to control the manufacture, importation, distribution in commerce, use or disposal	Short description (add separate page if needed)	Reference
4.1	Public health standards or regulations <input type="checkbox"/>		
4.2	Occupational standards or regulations <input type="checkbox"/>		
4.3	Environmental standards or regulations <input type="checkbox"/>	Emission standards of incineration of municipal garbages is now under consideration	
4.4	Guidance Document <input type="checkbox"/>		
4.5	Voluntary programme <input type="checkbox"/>		

4.6	Other (Governmental order) <input type="checkbox"/>	Photolysis and micro-organism degradation of PCDD/Fs	
4.7	No action <input type="checkbox"/>		
<u>Comments:</u>			
<u>Data Source:</u> <ul style="list-style-type: none"> ▪ Zheng Minghui, Bao Zhicheng, Wang Keou, and Xu Xiaobai, The Mechanism of Photodegradation of PCDDs in Carbon Tetrachloride, Chemosphere (1996) 32, 603 ▪ Du Xiuying, Zhu Naikai, Xia Xijuan, Bao Zhicheng, The Preliminary Study of Microorganism Degradation of Dioxins, Environmental Chemistry, 14(3), 187-189(1995) 			