

2019 THE ANNUAL REPORT

2019年度报告



SIP Lvse Jiangnan Public Environment Concerned Centre



INTRODUCTION

In 2019, the environmental protection situation is still grim. The state vigorously promoted the construction of ecological civilization. It should also resolutely fight the tough battle of pollution prevention and control while serving the high-quality development of the economy,. Blue sky, clear water, pure land defense war, the "look back" of the central environmental protection inspector, soil remediation and treatment, the collection of environmental protection tax and the clean-up of waste have been carried out in an all-round way, and the construction of ecological civilization has reached an unprecedented height. Enterprises are still facing the arduous task and challenge of pollution reduction.

As an environmental protection social organization, SIP Lvse Jiangnan Public Environment Concerned Center always adheres to the working attitude of "we eliminate pollution, not eliminate polluting enterprises, but promote polluting enterprises to control pollution, so as to eliminate pollution". Adhere to the working mode of "serving in supervision and supervising in service"; Always adhere to the value of "action changes the future". Positive progress has been made in information disclosure, pollution source research, green supply chain, environmental protection public welfare salon, green finance, green securities, public interest litigation and other fields.

In 2019, SIP Lvse Jiangnan Public Environment Concerned Center carried out online supervision of heavy control enterprises in the application of environmental big data, and the number of supervision increased by 68.82% compared with last year, realizing the process from momentum to breakthrough. SIP Lvse Jiangnan Public Environment Concerned Center continues to conduct in-depth field pollution source research, and fully cooperate with the environmental protection departments to solve many environmental problems. SIP Lvse Jiangnan Public Environment Concerned Center actively builds a platform for multi-party cooperation among the government, enterprises and the public, continues to carry out environmental protection public welfare salons and training, and helps enterprises fulfill their main responsibilities and solve environmental problems. SIP Lvse Jiangnan Public Environment Concerned Center also forms multi-party links and builds trust through active and effective communication and cooperation to help enterprises do a good job in information disclosure, help enterprises do a good job in energy conservation and emission reduction, help enterprises achieve sustainable development and build a blue ecological chain. SIP Lvse Jiangnan Public Environment Concerned Center has also vigorously promoted the ecological environment damage compensation negotiated by government and enterprises, and fully safeguarded the interests of the public.

SIP Lvse Jiangnan Public Environment Concerned Center actively responds to the call of "green water and green mountains are golden mountains and silver mountains", fully cooperates with the environmental protection department, promotes the public to participate in the supervision of industrial pollution discharge, firmly resolves and aims to promote the construction of ecological civilization, and strives to realize the

general pattern of pluralistic co governance, social sharing, everyone supporting environmental protection and everyone participating in environmental protection. SIP Lvse Jiangnan Public Environment Concerned Center will continue to be down-to-earth and forge ahead.

CONTENTS

Chapter 1 Information disclosure

Chapter 2 Investigation of pollution sources

Chapter 3 Green supply chain

Chapter 4 Many links, Construct the blue ecological chain

Chapter 5 Public interest litigation

Chapter 1 Information disclosure

1.1 Online supervision of national key monitoring enterprises

Prompt the relevant environmental protection departments of enterprises with excessive emissions through microblog, 12369 and other channels, and promote the local environmental protection departments to accept the prompt of enterprises with excessive emissions in time, which can effectively supplement the environmental supervision of government departments and promote the public's awareness and participation in information disclosure and environmental management.

In 2019, relying on the independent monitoring platform of enterprises and institutions of all provinces, cities and autonomous regions and combined with the Blue Map app environmental big data platform, SIP Lvse Jiangnan Public Environment Concerned Center supervised 13567 heavy control pollution sources in China. So far, 5064 supervision tips have been given and 1800 feedback has been received (35.54%), of which 82 have been seriously dealt with (accounting for 4.56% of the feedback received).

Case 1 Xinjiang Uygur Kashgar City, autonomous region

On February 12, 2019, SIP Lvse Jiangnan Public Environment Concerned Center prompted Maigaiti County water supply and drainage company that they had continuously exceeded the standard of ammonia nitrogen in the wastewater of Chengbei sewage treatment plant

Case 2 Dezhou City, Shandong Province

On September 20, 2019, SIP Lvse Jiangnan Public Environment Concerned Center prompted that the daily average of total phosphorus and total nitrogen in wastewater of Dezhou Taiyang Island Sewage Treatment Co., Ltd. exceeded the standard

Explain

On September 20, 2019, SIP Lvse Jiangnan Public Environment Concerned Center prompted that the daily average of total phosphorus and total nitrogen in the wastewater of Dezhou Sun Island Sewage Treatment Co., Ltd. exceeded the standard. After investigation, it was found that the online automatic monitoring historical data of Dezhou Sun Island Sewage Treatment Co., Ltd. showed that the daily average concentration of total phosphorus in the external drainage on August 20, 2019 was 0.515mg/l, exceeding the specified discharge standard by 3%, and the daily average concentration of total nitrogen was 15.3mg/l, exceed the specified emission standard by 2%.The above acts of the company violate the provisions of Article 10 of the law of the people's Republic of China on the prevention and control of water pollution. According to item 2 of Article 83 of the

law of the People's Republic of China on the prevention and control of water pollution and Article 7 of the benchmark for administrative punishment discretion of Shandong Environmental Protection Department (2018 Edition), our bureau plans to impose a fine of 200000 on the company.

1.2 Pollution source supervision information disclosure index (PITI)

The PITI evaluation report focuses on 13 prefecture level cities in Jiangsu Province, including ten cities of Nanjing, Suzhou, Wuxi, Changzhou, Nantong, Zhenjiang, Yangzhou, Yancheng, Lianyungang and Xuzhou evaluated by IPE, and three non environmental protection key cities of Taizhou, Suqian and Huai'an evaluated by SIP Lvse Jiangnan Public Environment Concerned Center, aiming at "daily supervision", "self disclosure of pollution sources" "interactive response" "enterprise emission data" and "environmental impact assessment information" five major items' evaluation results are as follows:

Scores of PITI evaluation items of cities in Jiangsu Province in 2018

Rank	City	Daily supervision (30points)		Self disclosure of pollution sources(26 points)		Interactive response (15 points)		Enterprise emission data disclosure(14 points)	EIA information(15 points)	Total score from 2018 to 2019
		Release of daily exceeding standard and violation records (25 points)	Enterprise environmental credit evaluation (5 points)	Online monitoring information disclosure (20 points)	Information disclosure of key pollutant discharge units (6 points)	Environmental inspectors and complaints (7 points)	Disclosure upon application (8 points)			
1	Changzhou	24.00	4.80	19.00	3.50	5.60	4.00	2.80	9.00	72.70
2	Wuxi	17.20	3.80	19.00	2.12	5.50	8.00	4.20	8.20	68.02
3	Suqian	24.20	5.00	16.00	3.56	5.60	4.00	0.00	8.20	66.56
4	Suzho	15.00	2.00	19.00	2.12	6.40	7.60	2.80	8.80	63.74

	u									
5	Lianyu ngang	14.20	1.80	19.00	3.60	5.50	8.00	2.80	7.60	62.50
6	Yanche ng	15.00	2.00	19.00	3.36	5.50	6.60	2.40	8.20	62.06
7	Xuzho u	14.20	1.80	19.00	2.20	5.30	4.00	4.20	10.40	61.10
8	Nanto ng	15.00	2.00	19.00	3.60	5.50	4.00	2.80	8.20	60.10
9	Nanjin g	19.20	2.80	19.00	2.31	3.80	0.80	2.80	8.40	59.11
10	Yangzh ou	15.00	2.00	19.00	2.16	5.60	1.00	2.80	9.40	56.96
11	Zhenji ang	14.20	1.80	19.00	3.22	5.60	1.00	2.40	8.80	56.02
12	Huaian	20.00	2.00	19.00	2.17	6.70	7.60	2.40	5.60	55.47
13	Taizho u	9.20	2.00	19.00	0.84	5.20	3.80	4.20	8.20	52.44

Analysis of evaluation results:

Compared with last year:

1. The disclosure of pollution source information has increased steadily;
2. The self-monitoring data of 13 cities in Jiangsu Province can be released for a long time, stably and effectively;
3. Environmental protection inspectors and public complaints complement each other and jointly contribute to environmental protection;
4. More and more key gas related pollutant discharge enterprises disclose online monitoring information.

However, there are still deficiencies:

1. Overall, the degree of environmental supervision and information disclosure of cities in Jiangsu province needs to be improved;
2. The environmental protection department still needs to improve the system of accepting and responding to the public's disclosure according to the application;
3. The annual pollutant discharge information of key pollutant discharge units was not released in time;
4. The openness of EIA information needs to be improved.

1.3 Disclosure upon application

In 2019, SIP Lvse Jiangnan Public Environment Concerned Center submitted 11 public applications to the government.

2.1 Field investigation of pollution sources

In 2019, carried out more than 100 field investigations on industrial pollution sources, and found and solved more than 30 environmental problems.

Selected SIP Lvse Jiangnan Public Environment Concerned Center field survey in 2019

Serial number	Period of time of research	Region	Pollution source address	Information on pollution sources reported by residents (briefing)
1	2019/1/18	Nantong City, Jiangsu Province	Qidong Binjiang Fine Chemical Industry Park	Qidong ** environmental protection Co., Ltd. and Nantong ** Environmental Protection Service Co., Ltd. air pollution disturbing residents
2	2019/1/12-19	Wuxi City, Jiangsu Province Zhangjiagang City, Jiangsu Province	1. Jiangyin, Wuxi 2. Zhangjiagang * * glass 3. Caoyan River, Gushan Town	1. A large amount of wastewater containing unidentified active agent is directly discharged from Jiangyin river 2. Zhangjiagang ** glass directly discharges strong alkaline wastewater, and there is oil leakage in the river outside the plant 3. Investigation on black smelly river at Caoyan river site in Gushan Town

Case: Jiangyin Gushan strong acid wastewater

Since early August 2018, has received many reports from several residents of Gushan Town, Jiangyin City, reflecting that there is a rainwater pipeline at the

north end of Beishan Road, Gushan Town, Jiangyin City, which discharges wastewater into the river, seriously polluting the local river. After receiving the report, SIP Lvse Jiangnan Public Environment Concerned Center staff have repeatedly visited the river near Beishan Road, Jiangyin City for investigation. On February 16, 2019, the staff of SIP Lvse Jiangnan Public Environment Concerned Center collected water samples on site for pH test paper. The test result is 3, which is strongly acidic, and obvious sour smell can be smelled near the discharge port.

In February 27, 2019, the official account of SIP Lvse Jiangnan Public Environment Concerned Center WeChat released the report of the environmental investigation on the spot "*Jiangyin Gushan strong acid wastewater straight row!*", reflects that some enterprises in Gushan Town, Jiangyin City directly discharge pungent strong acid wastewater into the river.

Wuxi Environmental Protection Bureau, Jiangyin Environmental Protection Bureau, Jiangyin Gushan town government and other departments attached great importance to it, organized relevant technical forces to investigate Gushan town enterprises at the first time, and excavated and inspected the inspection wells and rainwater pipe network in the town. On March 2, 2019, Wu Xiaodong, deputy secretary of the Party committee of Gushan Town, Chen Wenqi, deputy mayor of Gushan Town, and Chen Yanjie, publicity member of the Party committee of Gushan Town, came to SIP Lvse Jiangnan Public Environment Concerned Center for active communication. The phenomenon that some enterprises in Gushan town secretly discharge strong acid wastewater into the river reflected by the SIP Lvse Jiangnan Public Environment Concerned Center has been verified by the town government. Gushan town government will investigate the environmental pollution problems found by enterprises in SIP Lvse Jiangnan Public Environment Concerned Center, never tolerate them, and timely inform the public of the incident based on the principle of seeking truth from facts, openness and transparency.

On April 8, 2019, Lu Haineng and Wu Jianzhong of the comprehensive law enforcement bureau of Gushan town came to the SIP Lvse Jiangnan Public Environment Concerned Center again to report the relevant progress! At present, the verification work has come to an end, and the relevant units involved have found out. After detailed touch and discharge, it is verified that the acidic wastewater generated in the production process of Jiangyin Xinwang Electric Vehicle Technology Co., Ltd. (after sampling and analysis of the wastewater accumulated in the enterprise's sump, the pH value of the wastewater is 1.94) was not treated in place and directly discharged into the sewage pipe network, The sewage flows into the rainwater pipeline from the damaged inspection well and is finally discharged to the river. Jiangyin Environmental Protection Bureau sealed up the main pollution producing equipment of the enterprise on March 3 and issued a decision order to correct the illegal act (Chengxian Environmental

Protection Bureau Order Act Decision (2019) No. 07155), requiring to improve the EIA approval and acceptance procedures of the project. It shall not be put into production without EIA approval and acceptance, and a case has been filed for punishment, with a total penalty of 590,000 yuan.

2.2 Industry research

1 On February 12, 2019, information disclosure on recontrol of pollution sources in 2018 sewage treatment plants may become pollution sources released

In 2018, there were 434 sewage treatment plants prompted by SIP Lvse Jiangnan Public Environment Concerned Center, accounting for about 27.5% of the total prompted number by SIP Lvse Jiangnan Public Environment Concerned Center (1579). This is the first time that SIP Lvse Jiangnan Public Environment Concerned Center has systematically counted and analyzed the warning information of exceeding the standard of on-line monitoring data of heavy control pollution sources (sewage treatment plants) nationwide in 2018. Based on the analysis of information disclosure data in 2018, we found some problems, and give the following suggestions for these problems.

Suggestions to the environmental protection department:

- (1) Incomplete disclosure of pollution source control information. Among the national key monitoring enterprises' self-monitoring information release platforms, there are still many platforms that cannot be opened, and some enterprises have unpublished emission data information. There are also some problems, such as limited types of pollution source information and data, scattered and lagging pollution source information disclosure and so on. These problems will become an obstacle to the development of information disclosure of pollution source supervision. It is suggested that the platform control can be strengthened to improve the wide participation of the public on the premise of ensuring the full disclosure of data;
- (2) Environmental protection government microblog reporting should go hand in hand with 12369 network platform reporting, operate at low cost and solve environmental protection problems through multiple channels, which is conducive to improving the government influence of environmental protection departments and their interaction with the public. In particular, it is recommended that local environmental protection departments should improve the public response rate of microblog, actively interact with the public and effectively solve environmental problems for the people.

Suggestions for sewage treatment plant:

- (1) The quality of pollution source monitoring needs to be improved, and the monitoring data shall be uploaded after review. Many data exceeding the standard were caused by equipment failure, but the enterprise did not comment in time when uploading the data, resulting in the misunderstanding of emission exceeding the standard. At the same time, it is recommended that the enterprise report the description of shutdown, equipment maintenance and other conditions to the environmental protection department in time, so as to avoid administrative or case filing punishment.
- (2) Strengthen the internal management of enterprises. In the reply, some samples or human operation errors lead to exceeding the standard. On the one hand, personnel training can be strengthened, on the other hand, patrol work should be strengthened.

Sewage treatment plant is the last line of defense for sewage treatment. In order to reduce the occurrence of over standard problems, enterprises should not only strengthen management and improve sewage treatment process, but also the environmental protection department should strengthen supervision, actively promote and supervise sewage treatment enterprises to do a good job in standard upgrading and transformation, and timely and seriously deal with over discharged sewage treatment enterprises. To protect the environment and reduce pollution, we should develop a new model of multi-party cooperation between NGOs, environmental protection departments, enterprises and the public, and jointly strengthen environmental supervision and management. In addition, daily public supervision channels should be opened, and the way of public participation should be popularized to the public, so as to promote broad public participation.

2 On February 18, 2019, the "*pollution should not become a new label for the textile printing and dyeing industry - 2018 investigation report on environmental information disclosure of the textile printing and dyeing industry*" released

In 2018, there were 219 textile printing and dyeing enterprises with excessive emissions prompted by SIP Lvse Jiangnan Public Environment Concerned Center to local environmental protection departments, accounting for about 13.9% of the total prompt (1579) in 2018. Systematic statistics and analysis were carried out on the prompt information of online monitoring data of textile printing and dyeing enterprises, and the disclosure of environmental protection information and environmental supervision and law enforcement information of textile printing and dyeing enterprises in various provinces were compared, it aims to work with relevant government agencies and enterprises to promote the green

transformation of enterprises and realize the green production of enterprises.

In 2018, SIP Lvse Jiangnan Public Environment Concerned Center carried out real-time supervision on the emission data of national textile printing and dyeing enterprises, reminded relevant environmental protection departments of excessive emission enterprises through microblog, 12369 and other channels, and promoted local environmental protection bureaus to accept the reports of excessive emission enterprises in time, which is a beneficial supplement to the environmental supervision of government departments and promoted the public's awareness and participation in information disclosure and environmental management, The above-mentioned situation of pollutants discharged by textile printing and dyeing enterprises can provide reference for public participation, environmental protection research and policy research.

Combined with the analysis of information disclosure data in 2018, we mainly found the following problems:

- (1) Textile printing and dyeing enterprises have large sewage discharge, low wastewater reuse rate, difficult to treat, and there is a regional agglomeration phenomenon, which is mainly concentrated in Jiangsu and Zhejiang provinces.
- (2) In Jiangsu and Zhejiang areas with high regional concentration of textile printing and dyeing enterprises, the report response rate is lower than the average, and many textile printing and dyeing enterprises secretly discharge pollutants and evade supervision.
- (3) The tips and reporting platform is relatively single. In addition to the high reporting response rate of 12369 platform, other platforms need to be improved. For example, there are still great problems in the operation of government microblog.
- (4) Compared with wastewater discharge, textile printing and dyeing waste gas discharge is more hidden and difficult to supervise.
- (5) There are data lag and untimely standard update in the enterprise self-monitoring information disclosure platform.

In view of the above problems, we put forward the following suggestions.

Suggestions to the environmental protection department:

- (1) Strengthen and improve the construction of self-monitoring information release platform for key monitoring enterprises
- (2) Increase channels to solve environmental problems
- (3) Improve classified guidance and service level
- (4) Strengthen green supply chain management

Suggestions for textile printing and dyeing enterprises:

- (1) Improve the quality of pollution source monitoring
- (2) Strengthen internal management of enterprises
- (3) Promote the technological transformation of enterprises and explore

innovative development models actively

(4) Build supply chain collaboration mechanism

Textile printing and dyeing enterprises shoulder the economic responsibility of Jiangsu and Zhejiang. At the same time, in the face of the resulting environmental problems, we should always maintain the concept of "don't abandon, don't give up". The government should formulate practical industry standards and actively guide and encourage the healthy, environmental protection and legal and compliant development of the textile printing and dyeing industry. At the same time, enterprises should also actively cooperate and do a good job in process reform. With the implementation of green transformation, pollution should not become a new label for the textile printing and dyeing industry.

To protect the environment and reduce pollution, we should develop a new model of multi-party cooperation between NGOs, environmental protection departments, enterprises and the public, and jointly strengthen environmental supervision and management. In addition, daily public supervision channels should be opened, and the way of public participation should be popularized to the public, so as to promote public participation.

3 On March 1, 2019, *thermal power enterprises -- from "contributor" to "controller" of air pollution -- Investigation Report on environmental information disclosure of thermal power industry in 2018* released

Thermal power enterprises are undoubtedly one of the "contributors" to the problem of air pollution. In the whole process of producing electric energy, they produce a large number of pollutants such as dust particles, sulfur dioxide and nitrogen oxides. For the first time, SIP Lvse Jiangnan Public Environment Concerned Center made systematic statistics and Analysis on the warning information of over standard reporting of on-line monitoring data of heavy control pollution sources (thermal power plants) nationwide in 2018.

Through the real-time monitoring of the national thermal power plant emission data by SIP Lvse Jiangnan Public Environment Concerned Center in 2018, it prompted the relevant environmental protection departments of enterprises with excessive emissions through microblog, 12369 and other channels, and promoted the local environmental protection bureaus to accept the tips of enterprises with excessive emissions in time, which not only complemented the environmental supervision of government departments, but also promoted the public's awareness and participation in information disclosure and environmental management, moreover, mastering the excessive discharge of pollutants from

thermal power plants can provide reference for public participation, environmental protection research and policy research.

Based on the analysis of information disclosure data in 2018, we found the following problems:

- (1) The thermal power industry is mostly concentrated in important coal base cities in North and East China;
- (2) Single reporting channel and short board problems;
- (3) The monitoring platform of key enterprises lacks normative mechanism;
- (4) Enterprises are often "exceeded" due to "shutdown".

The following suggestions are given for these problems.

Suggestions to government departments:

(1) Standardizing the platform mechanism: urge each enterprise to upload data regularly to avoid data missing and lagging;

(2) Open up public reporting channels and improve existing reporting channels: at present, the formal reporting method is only 12369 platform, but this is far from enough for many demands on environmental problems. Under the wave of public participation, we should vigorously develop government microblog, actively operate and maintain a good state of interaction;

(3) Actively promote the energy-saving transformation of enterprises, include the shutdown and relocation of thermal power enterprises with obsolete equipment and serious pollution as important work items, strengthen law enforcement and supervision, and maintain the high-pressure situation of environmental law enforcement.

(4) Vigorously develop clean energy such as solar energy and wind energy with low pollution and no pollution to the ecological environment. President Xi pointed out that "Developing clean energy is an important task to improve the energy structure, ensure energy security and promote the construction of ecological civilization."

Suggestions for thermal power enterprises:

(1) Ensure the timely and effective upload of self-monitoring data. In order to avoid the risk of "being reported", enterprise personnel shall timely note on the platform and inform the public of emergencies such as shutdown, shutdown and maintenance;

(2) Introduce advanced desulfurization and denitration technology, actively cooperate with national and local environmental protection policies, and accelerate the transformation of ultra-low emission;

(3) Assume the main responsibility of the environment and complete the role transformation from "contributor" to controller of air pollution.

In the face of severe air pollution, the government, the public and

enterprises should cooperate in many ways to continuously promote the solution of environmental problems. On the one hand, the government should strengthen law enforcement and severely punished, on the other hand, enterprises exceeding the standard should be guided to upgrade and transform; enterprises should face up to their main environmental responsibilities, respond to the call of environmental protection, energy conservation and emission reduction; As a bridge between the government and the people, SIP Lvse Jiangnan Public Environment Concerned Center will continue to guide public participation and realize the general pattern of everyone participating in environmental protection actively.

Chapter 3 Green supply chain

3.1GCA (Green Choice Alliance) audit

In 2019, SIP Lvse Jiangnan Public Environment Concerned Center participated in GCA audit for 45 times and continued to promote the green management of brand supply chain in the Yangtze River Delta.

3.2Supplier environmental training workshop

On June 5, 2019, in order to strengthen supply chain management, improve the understanding of all parties in environmental management and pollution prevention, and jointly explore the development direction of environmental risk control and environmental management, a supplier environmental training seminar jointly organized by Dell and Cisco and undertaken by SIP Lvse Jiangnan Public Environment Concerned Center and TUV was held at Kunshan Duke University. More than 200 people from brands, government officials, academic institutions, environmental law lawyers, non-governmental organizations, supplier representatives and so on participated in the scene.

This supplier environmental training meeting guided suppliers to carry out reasonable compliance management by introducing environmental protection policies and regulations and the latest law enforcement trend, combined with the key points and good practices of enterprise environmental protection management, and then optimize the green supply chain. SIP Lvse Jiangnan Public Environment Concerned Center also hopes to cooperate with more brands and government to help enterprises achieve energy conservation and emission reduction, guide enterprises to better fulfill their social responsibilities and promote environmental sustainable development.

Chapter 4 Many links, Construct the blue ecological chain

4.1 Public Welfare Salon

The SIP Lvse Jiangnan Public Environment Concerned Center public welfare salon aims to build a communication bridge between enterprises, government and society, which is organized by the local environmental protection bureau. In 2019, SIP Lvse Jiangnan Public Environment Concerned Center cooperated with the local environmental protection department to hold two public welfare salons, with a total of more than 500 participants.

(1) Safety production and environmental protection Salon

On the afternoon of May 17, 2019, the ninth phase of SIP Lvse Jiangnan Public Environment Concerned Center environmental protection and public welfare salon "safety production and environmental protection salon", sponsored by SIP Lvse Jiangnan Public Environment Concerned Center and undertaken by Zhangjiagang Environmental Protection Bureau and Zhangjiagang Free Trade Zone Management Committee, was held in the Jingang auditorium of Zhangjiagang Binjiang Building. Relevant leaders of Zhangjiagang Environmental Protection Bureau and the Management Committee of the free trade zone, entrepreneurs and representatives of 338 key pollutant discharge units in the free trade zone attended the salon.

Through this public welfare salon of safe production and environmental protection, the awareness of safe production and environmental protection law-abiding of enterprises in Zhangjiagang Free Trade Zone has been further enhanced, which would further enhance the awareness of environmental responsibility of enterprises in Zhangjiagang Free Trade Zone. SIP Lvse Jiangnan Public Environment Concerned Center also hopes to cooperate with more environmental protection bureaus to hold environmental protection public welfare salons and build a multi governance and social sharing model of "multi-party cooperation and coordinated development".

(2) Changshu service quality development Green Finance Series Training

In order to innovate measures to serve enterprises, promote high-quality development of enterprises and help Changshu fight a tough battle of pollution prevention and control, it was hosted by Suzhou Changshu Ecological Environment Bureau, Changshu local financial supervision and Administration Bureau and Changshu branch of the people's Bank of China on the afternoon of July 26, a series of trainings on high-quality development of green finance undertaken by SIP Lvse Jiangnan Public Environment Concerned Center were held in the square tower Hall of Changshu international hotel. Relevant leaders of Suzhou Changshu Ecological Environment Bureau, Changshu local financial supervision and Administration Bureau, Changshu branch of the people's Bank of

China, department heads, heads of environmental protection offices of various sectors, key enterprises in Changshu, relevant financial institutions and insurance institutions in Changshu participated in the training. Professor Guo Quan, deputy director of the Institute of environmental risk assessment of Tsinghua University, Mr. Zhao Feng, manager of Dell global supply chain sustainable development, Mr. Fu Jian, assistant president of Changshu branch of Bank of Jiangsu, and Fang Yingjun, director of SIP Lvse Jiangnan Public Environment Concerned Center, served as the sharing experts of this training.

4.2 Cooperation with local villages and towns

(1) Deep cooperation between Jiepai Town of Danyang City and Lvse Jiangnan Public Environment Concerned Center

In order to realize the healthy environmental ecological chain of pluralistic co-governance and social sharing, at the invitation of the Jiepai Town Government of Danyang City, Blue Map and SIP Lvse Jiangnan Public Environment Concerned Center entered the Jiepai Town, one of the top 1000 towns in the country, and further implemented the specific cooperation work of the environmental protection ecological chain. On the morning of July 27, 2019, Zhenjiang Danyang Ecological Environment Bureau and Danyang Jiepai Town Government cooperated with SIP Lvse Jiangnan Public Environment Concerned Center to hold the training on environmental laws and regulations and production specifications in Danyang Jiepai Town Government. About 60 principals of enterprises above designated size in Jiepai Town participated in the training.

(2) Danbei town carries out in-depth cooperation with Lvse Jiangnan Public Environment Concerned Center

In order to promote green development, innovate the service enterprise measures of danbei Town, Danyang City, vigorously improve the enterprise management level, promote the high-quality development of enterprises, and help Danbei Town, Danyang City fight a tough battle of pollution prevention and control. On the afternoon of July 18, 2019, Danyang Ecological Environment Bureau, Danyang danbei town government and Lvse Jiangnan Public Environment Concerned Center cooperated to hold training on environmental laws and regulations and environmental protection management in Danyang danbei town government.

On the afternoon of September 4, 2019, at the invitation of Danbei Town government of Danyang City, Blue Map and Lvse Jiangnan Public Environment Concerned Center entered the national key town "Danbei town" to further implement the specific cooperation work of environmental protection and ecological chain. Zhenjiang Danyang Ecological Environment Bureau, Danyang Danbei town government and Lvse Jiangnan Public Environment Concerned Center cooperated to hold environmental protection management training in Danyang Danbei town government. A total of 106 enterprise heads of iron and steel, papermaking, copper

smelting and heavy control enterprises in danbei town participated in the training.

(3) Shengze Town of Wujiang carries out in-depth cooperation with Lvse Jiangnan Public Environment Concerned Center

At the invitation of the Environmental Protection Office of Shengze Town, Wujiang, on May 14, 2019, Blue Map and Lvse Jiangnan Public Environment Concerned Center entered Shengze Town, one of the top 100 towns in China, to further implement the specific cooperation work of the environmental protection ecological chain. Team leader Chen of Shengze Town Environmental Protection Office said that we should put the construction of ecological civilization in a prominent position in the overall development situation, firmly establish the concept of "green water and green mountains are golden mountains and silver mountains", and unswervingly take the road of ecological priority and green development. Captain Chen also said that dozens of heavy control enterprises within their jurisdiction should seriously do a good job in information disclosure, make timely public explanations for online excessive emissions, fully protect the bottom line of the ecological environment, and strive to build a blue sky and beautiful Shengze Town. Captain Chen also put forward new regulatory requirements for the ecological chain of blue map. Lvse Jiangnan Public Environment Concerned Center and Suzhou Wujiang District Shengze town environmental protection office have reached a consensus of cooperation proposal. This cooperation has further implemented the Internet plus data plus environmental protection, forming a multi link way to build an environmental ecological chain.

4.3 Green business partnership program

Lvse Jiangnan Public Environment Concerned Center hopes to help enterprises do a good job in information disclosure and promote energy conservation and emission reduction through active and effective communication and dialogue, forming multi-party links and building trust, so as to build a close cooperative ecological chain of multi-party trust and jointly help Chinese enterprises achieve sustainable development.

Green enterprise partners aim to promote enterprises to actively explain through Blue Map by sending letters to enterprises and reflecting enterprise violations to government departments, so as to realize the sharing of information and data among multiple parties (environmental protection departments, enterprises and the public), multi-party interaction, build trust and realize the blue ecological chain. By the end of December 2019, Lvse Jiangnan Public Environment Concerned Center had promoted 54 enterprises to actively and publicly explain the reasons for the abnormal environmental data for 92 times.

Sharing of enterprise cases with excellent information disclosure performance

1 Jinhuasheng Paper (Suzhou Industrial Park) Co., Ltd

From April 2019 to December 2019, the enterprise actively fed back self-monitoring data abnormalities and violation descriptions through Blue Map for up to 13 times.

2 Jiangsu Guoxin Rudong Biomass Power Generation Co., Ltd

From July 2019 to December 2019, the enterprise actively fed back the abnormal description of self-monitoring data for up to 21 times through Blue Map.

Chapter 5 Public interest litigation

The participation of social organizations in environmental civil public interest litigation according to law is an institutional arrangement guided by environmental restoration, which can actively and effectively promote the pluralistic co governance and social sharing of environmental rule of law.

Case 1: environmental pollution liability dispute of Yijia Electronics (Suzhou) Co., Ltd

The case was found by the investigation of Lvse Jiangnan Public Environment Concerned Center for three years (May 15, 2015 - May 12, 2018), and submitted *the environmental investigation report of Suzhou Yijia Electronics (Suzhou) Co., Ltd. suspected of secretly discharging strong acidic copper wastewater with heavy metal exceeding hundred times the standard* to the environmental protection department on May 18, 2018.

On July 11, 2018, Suzhou Huqiu District Environmental Protection Bureau made a punishment decision on its environmental violations, with a total fine of RMB 1570569.56.

In October 2018, Lvse Jiangnan Public Environment Concerned Center and Huanyou technology jointly filed an environmental public interest lawsuit with Suzhou intermediate people's court as litigation units. On October 30, 2018, Suzhou intermediate people's court filed and accepted the case.

On July 3, 2019, the Management Committee of Suzhou High Tech Zone and the legal person of Yijia Electronics (Suzhou) Co., Ltd. jointly signed *the agreement on compensation for ecological environment damage*, which will be compensated by the enterprise for more than 6.22 million yuan to carry out ecological restoration for the environmental pollution caused by the enterprise's seepage and discharge of waste liquid. This is also the first compensation negotiation agreement reached by the city since the reform of the ecological environment damage compensation system was launched last year. The signing of the agreement indicates that Lvse Jiangnan Public Environment Concerned Center, as a third-party environmental protection organization, has achieved certain results in participating in environmental public interest litigation.

On November 23, 2019, the case was nominated by the Ministry of Ecological Environment as "ten typical cases of eco-environmental damage compensation consultation".

Case 2: environmental pollution case of Hexia chemical (Taicang) Co., Ltd

On May 5, 2018, Lvse Jiangnan Public Environment Concerned Center survey found that Hexia chemical (Taicang) Co., Ltd., located in the petrochemical industrial zone of Taicang Port Development Zone, secretly discharged wastewater. The water body of Liujiagang river section, Suitang reach was brownish red, and the sewage finally flowed into the Yangtze River Estuary. After receiving the report, Taicang

Environmental Protection Bureau immediately launched an investigation and found that the company had the problem of privately setting concealed pipes, which was suspected of constituting the crime of environmental pollution. The case was transferred to the local public security department on May 25, 2018. The environmental hazard of this case is mainly that the company privately sets up concealed pipes to directly discharge the wastewater containing formaldehyde, heavy metal manganese and other toxic substances into Suitang river near the company's plant area.

Lvse Jiangnan Public Environment Concerned Center believes that the defendant's illegal discharge of sewage containing toxic substances and the consequences of environmental damage objectively exist, and environmental remediation needs to be implemented as soon as possible. Therefore, the clue of the source of the case is provided to the China Environmental Protection Federation. In December 2018, China Environmental Protection Federation reviewed the case materials and filed an environmental civil lawsuit with Suzhou intermediate people's court in January 2019, requiring it to implement environmental remediation according to law. If it cannot be restored within 6 months, the environmental remediation fee payable shall be calculated according to the virtual governance cost method. The court officially accepted the case on January 22, 2019.

On June 27, 2019, the plaintiff and the defendant exchanged evidence under the auspices of the judge of the environmental resources tribunal of Suzhou intermediate people's court, and the court session officially opened on October 10, 2019. The plaintiff invited expert witnesses to appear in court to provide expert opinions and asked the defendant to bear the environmental remediation fee. At present, the work of the plaintiff and the supporting prosecution unit has been basically completed, and the case is in the stage of waiting for judgment

Case 3: over mining repair case of Changzhou Jintan Pangu Quarrying Co., Ltd

Since 2016, Lvse Jiangnan Public Environment Concerned Center has received complaints from Changzhou Jintan residents for many times, reflecting that Changzhou Jintan Pangu quarrying Co., Ltd. has been carrying out open-pit stone mining in the south of Maoshan scenic spot for a long time, and the ecological damage was very serious.

During this period, Lvse Jiangnan Public Environment Concerned Center conducted many investigations and evidence collection on the natural ecological environment of the changed mining area. In March 2019, Beijing Chaoyang District Huanyou Science and Technology Research Center as the plaintiff, Lvse Jiangnan Public Environment Concerned Center and the environmental and resource law research and service center of China University of political science and law as the supporting prosecution unit, filed an environmental public interest lawsuit with Changzhou intermediate

people's court, The defendant Changzhou Jintan Pangu Quarrying Co., Ltd. is required to repair the ecological environment of the mining area and compensate for the corresponding loss of ecological environment service function.

On August 22, 2019, at the invitation of Changzhou intermediate people's court, the plaintiff's lawyer, Lvse Jiangnan Public Environment Concerned Center, the judge in charge and the leaders of Maoshan scenic spot management committee came to the mining area involved in the case to inspect the on-site repair, and the leaders of Maoshan Scenic Spot Management Committee provided and introduced the repair scheme.

In September 2019, the plaintiff's lawyer submitted to the court the cross examination opinion on the restoration scheme made by a qualified unit hired by the Management Committee of Maoshan scenic spot.

On November 4, 2019, the plaintiff's lawyer and Lvse Jiangnan Public Environment Concerned Center communicated with the host court again to discuss whether the plaintiff's claim and the defendant's subject identity were qualified. Afterwards, in order to confirm the above matters, the lawyer applied to the court for investigation and evidence collection, and applied to the court to investigate the matters related to mine recycling to the Management Committee of Maoshan scenic spot.