

Supplementary Materials for:

Role of Law, Position of Actor and Linkage of Policy in China's National Environmental Governance System, 1972–2016

Rui Mu ^{1, *}

¹ Dalian University of Technology, Faculty of Humanities and Social Sciences; ruimu@dlut.edu.cn

* Correspondence: ruimu@dlut.edu.cn; Tel.: +86-139-0411-9150

Table S1. System elements dataset - actors

Actor Label	Actor Name and Responsibility
MoEP	<p>Ministry of Environmental Protection</p> <ul style="list-style-type: none">• <i>First step (1974): Environmental Protection Leading Group of the State Council</i>, which was established in 1974 in respond to the event of China participating in the first United Nations Human Environment Conference, and was the first actor that solely aimed at environmental protection in China. Despite no administrative authority, the Leading Group was formed to coordinate environmental protection issues across different ministries on behalf of the State Council.• <i>Second step (1982 Program): Environmental Protection Administration (EPA)</i>, which was evolved from the Leading Group, separated from the State Council and became a branching authority within the Ministry of Urban and Rural Construction (MoURC). Although it had some authority to issue regulations and guidance, the EPA's coordination work went awkwardly because of its limited capacity to act independently from the State Council.• <i>Third step (1984 Program): State Environmental Protection Administration (SEPA)</i>, which was evolved from EPA, and given more authority to issue regulations but still under the administration of MoURC.• <i>Fourth step (1987 Program): SEPA</i>, which was separated from MoRUC and allocated with independent power to issue and enforce environmental policies.• <i>Fifth step (1988 Program): SEPA</i>, which was raised from an administration under MoURC to an agency directly under the State Council.• <i>Sixth step (1998 Program): General Administration of State Environmental Protection (GASEP)</i>, which was evolved from SEPA by renaming and allocating more authority in managing environmental protection bureau at provincial and municipal levels.

	<ul style="list-style-type: none"> • <i>Seventh step (2008 Program): Ministry of Environmental Protection (MoEP)</i>, which was raised from GASEP and allocated more discursive and enforcement power to protect the environment. Since then, the environmental protection authority has the equal authoritative power and administrative rank as other ministries in China.
NPG	<p>National People's Congress</p> <ul style="list-style-type: none"> • the national legislature in China, stands as the most important actor that has the power to amend the Constitution and enact environmental laws.
SC	<p>State Council</p> <ul style="list-style-type: none"> • the top authority that formulates macro-level national development plans and environmental regulations and guidance.
NDRC	<p>National Development and Reform Commission</p> <ul style="list-style-type: none"> • takes the responsibility of setting the right price for industries operation, and reconciling goals of economic development and environmental protection.
MoHURC	<p>Ministry of Housing and Urban-Rural Construction</p> <ul style="list-style-type: none"> • is in charge of environmental impact assessment for construction projects.
MoC	<p>Ministry of Commerce</p> <ul style="list-style-type: none"> • encourage industries to innovate and apply environmental protection technologies, adopt cleaner production processes and promote green supply chain development.
MoIT	<p>Ministry of Industry and Information Technology</p> <ul style="list-style-type: none"> • encourage industries to innovate and apply environmental protection technologies, adopt cleaner production processes and promote green supply chain development.
MoST	<p>Ministry of Science and Technology</p> <ul style="list-style-type: none"> • encourage industries to innovate and apply environmental protection technologies, adopt cleaner production processes and promote green supply chain development.
MoLR	<p>Ministry of Land and Resources</p> <ul style="list-style-type: none"> • responsible for resource protection and ecological compensation.

NEA	National Energy Administration <ul style="list-style-type: none"> responsible for resource protection and ecological compensation.
MoT	Ministry of Transport <ul style="list-style-type: none"> in charge of reducing environmental pollution sourced from transportation and promoting new energy vehicles.
GAQS	General Administration of Quality Supervision <ul style="list-style-type: none"> give support to the MoEP for the formulation of environmental quality standards.
GAQSIQ	Inspection and Quarantine <ul style="list-style-type: none"> give support to the MoEP for the formulation of environmental quality standards.
MoF	Ministry of Finance <ul style="list-style-type: none"> provide tax incentives to enterprises to adopt environmental friendly products and processes.
SAT	State Administration of Taxation <ul style="list-style-type: none"> provide tax incentives to enterprises to adopt environmental friendly products and processes.
MoS	Ministry of Supervision <ul style="list-style-type: none"> holds public officials accountable for environmental enforcement and sanction.
PBC	People's Bank of China <ul style="list-style-type: none"> provide financial incentives to enterprises, including green credit, green securities and environmental liability insurance.
CBRC	China Banking Regulatory Commission <ul style="list-style-type: none"> provide financial incentives to enterprises, including green credit, green securities and environmental liability insurance.
CSRC	China's Securities Regulatory Commission <ul style="list-style-type: none"> provide financial incentives to enterprises, including green credit, green securities and environmental liability insurance.
CIRC	China's Insurance Regulatory Commission <ul style="list-style-type: none"> provide financial incentives to enterprises, including green credit, green securities and environmental liability insurance.

Table S2. System elements dataset - issues

Issue Label	Issue Name
water	water
air	air
waste	waste
soil	soil
construction	construction
coal	coal use
standard	standard
charge	charge
EIA	environmental impact assessment
emission permit	emission permit
eco-label	eco-label
natural resource	natural resource
tax	tax
eco-compensation	eco-compensation
energy saving	energy saving
EFC	environmental friendly certificate
eco-industry park	Eco-industry park
pricing	pricing
gov. purchase	gov. purchase
info. disclosure	info. disclosure
credit	credit
monitor	monitor
clean production	clean production
deadline correction	deadline correction
carbon trading	carbon trading
insurance	insurance
security	security

Table S3. System elements dataset – legislation and policy events

Year	Month	Date	Source (label no.)	Target	Actors	Node Type	Label
1972	6	1		A Report on the Contamination Situation in Guanting Reservoir and Solutions by the State Development Planning Commission and the State Construction Commission (The System of “Three in the Same Time” proposed the requirement of “The Project of Factory Construction and the Project of Three Wastes Utilization Must Be Designed in the Same Time; Be Constructed in the Same Time; And Be Put into Production in the Same Time” for the first time.	NDRC MoHURC	guiding policy	1
1973	8	29	1	Some Regulations to Protect and Improve the Environment (The System of “Three In the Same Time “and the System of Environment Impact Assessment) The regulations proposed: all the newly constructed, expanded and reconstructed enterprises, and pollution control projects must be Designed in the same time; be constructed in the same time; and be put into production in the same time together with the main work; all the newly constructed must be made up with measures of pollution control that do not have those measures. Responsible institutions at all levels, together with departments of pollution control and public health must carry out earnest check and review over the design, and strictly control the acceptance upon the completed projects. From that time on, the system of “three in the same time” became the earliest environment control administration system. But the execution rate of the system failed to reach 20% and new pollutions appeared continuously. This was due to in the early stage of China’s environment protection cause, people did not know much of the importance of environment protection; China was still in difficulties and failed to put much fund onto the environment protection;	SC	guiding policy	2

				and environment protection supervision was not effective.			
1974	1	1	2	<p>The Trial Standards for the Discharge of the Three Industrial Wastes (Environment Standards)</p> <p>The standards regulated the policy, basic principle, basic system and detailed concrete measures against the three wastes pollution.</p>	SC	regulatory instrument	3
1974	5	1		<p>The state council leading group of environment protection – a temporary environment protection organ (supervision organ)</p> <p>This was a specially established environment protection leading authority by the state council of the People’s Republic of China which was responsible for the environment protection at a unified level. It was set up in May of 1974 and its main responsibilities were as follows:</p> <p>①.to implement and supervise the implementations over the policy, laws and regulations on environment protection;</p> <p>②to organize the formulation of environment protection rules, regulations, standards, economic and technological policies; ③to organize the formulation of the long term and annual plan of environment protection, and to supervise and check the implementation of the plan; ④.to organize a unified environment monitoring, to survey and master the national environment situation and developing tendency, and to propose measures of improvement; ⑤.to organize and associate with the environment science research and the cause of environment education, to actively popularized the advanced experience and techniques on environment protection from home and abroad; ⑥to guide and direct the environment protection work of the state council subordinated department, provinces, autonomous regions and municipalities directly under the central government; ⑦to organize and associate</p>	SC	organizational change	4

				with the international cooperation's and exchanges over the environment protection. An office was allocated for the leading group.			
1975	1	1	2,4	<p>Suggestions on the Ten-Year Plan of Environment Protection</p> <p>The Suggestions were formulated by the environment protection leading group under the state council. Its detailed regulations were printed and distributed to provinces, autonomous regions, municipalities directly under the central government and departments of the state council for their implementation.</p> <p>The Suggestions formed basis and guidelines for the formulation of Chinese environment protection and China's environment protection work began to step into a period of systematic and legislative management from the period of scattered and symbolic instruction. The idea of environment protection was also popularized. But still, the work of environment protection was not a main work of the authority at that time because of different reasons at home and abroad, the administrative intervention mode in environment protection was not very effective so that the environment protection work was still in the early preliminary exploration stage.</p>	MoEP	guiding policy	5
1977	3	5	5	<p>The constitution of the People's Republic of China (revised)</p> <p>Adopted at the first meeting of the fifth session of the National People's Congress of the People's Republic of China. In order to promote the environment protection in our country, the rule of "the nation sticks to protect the environment and natural resource, prevent and control pollution and other public hazards" was written into the constitution of the People's Republic of China in 1978</p>	NPC	law	6

				national people's congress. So that the work of environment protection was determined to be a national responsibility and thus laid a foundation for the legislative construction of environment protection.			
1978	12	31		<p>Key points of Report on Environment Protection (the System of Collection Discharge License)</p> <p>The central authority proposed in the transmitted document of Key points of Report on Environment Protection for the first time that China can never follow the tortuous path of treatment after pollution. It is the first time that China officially proposed the execution of the system of collection discharge license.</p>	SC	guiding policy	7
1979	9	13	6	<p>Environment Protection Act of the People's Republic of China (trial implementation)</p> <p>The act made the rules and regulations of environment protection of China clear from the point of view of law. Later, on the basis of the act China formulated or revised many laws and regulations on environment protection in succession.</p> <p>The system of "Three in the same time" and the system of collection discharge license were confirmed in law. Article 6 pointed out: in time of carrying out newly constructed, reconstructed, or expanded projects, a report on their environment impact must be formulated which should be reviewed and approved by the environment protection authority and other concerned administrative organizations before their design. Among them the facilities against pollution and other public hazardous should be designed, implemented and put into production together with the</p>	NPC	law	8

				main body of the projects in the same time. Discharge of hazardous matters must be in conformity with national standards.			
1981	2	14	7,8	Decision by the State Council on Enhancing Environment Protection during the Stage of National Economy Adjustment	SC	guiding policy	9
1981	5	11	8,9	Method of Management of Environment Protection for the Capital Construction Projects (Environment Impact Assessment) The system of “Three in the same time” and the system of environment impact assessment were embodied by the method and it was included into the program of the capital construction. So that in 1984 the execution rate of the system of “three in the same time” was raised up to 79%.	NDRC Mohur MoC MoEP	regulatory instrument	10
1982	2	5	8,9	Temporary Method for the Collection Discharge License It was a remark that China officially set up the system of collection discharge license.	SC	market-based instrument	11
1982	3	1		A draft of reform and function change for departments subordinated to the state council	NPC	law	12

1982	5	1	4,12	The Environment Protection Leading Group was adjusted to be the Bureau of Environment Protection under the Ministry of Urban and Rural Construction (a supervision organ) The environment protection organ was turned into the government sequence from a temporary organ in the chance of national institution reform. But, without the big hat of the state council, the association work between different commissions and ministries became difficult.	SC MoHURC	organizational change	13
1982	8	23	8	Marine Environmental Protection Law of the People's Republic of China	NPC	law	14
1983	2	6	3,9	Several regulations of prevention and control against industrial pollution in combination with the technological reformation (environment standards)	SC	regulatory instrument	15
1983	10	1	14	Criteria of Disposal on Ships Pollutants (environment standards)	MoEP GAQS	regulatory instrument	16
1983	12	29	14	The Regulations Concerning the Prevention of Pollution of Sea Areas by Vessels of the People's Republic of China	SC	guiding policy	17
1984	3	1		A draft of institutional reform and function change for organizations under the state council	NPC	law	18
1984	5	1	13	The Urban and Rural Construction and Environment Protection subordinated Bureau of Environment Protection was changed for its name to the present State Bureau of Environment Protection, but still under the jurisdiction of the ministry. (a supervision organ)	SC MoHURC	organizational change	19
1984	5	8		A decision by the state council on the work of environment protection	SC	guiding policy	20
1984	5	11	8	Water Pollution Prevention and Control Law of the People's Republic of China	NPC	law	21
1984	6	1	20,21	Technological principle and method of the local water pollutant drainage standard (environment standard)	MoEP GAQS	regulatory instrument	22

1984	9	20	8	Forest Law of the People's Republic of China	NPC	law	23
1985	3	1	20,23	Standard for the control of pollutants in agricultural mud (environment standard)	MoEP GAQS	regulatory instrument	24
1985	3	1	14,20	Standard for the discharge of pollutants in ship building industry (environment standard)	MoEP GAQS	regulatory instrument	25
1985	8	1	14,20	Discharge standard for oil-contained polluted water in marine petroleum development industry (environment standard)	MoEP GAQS	regulatory instrument	26
1985	8	16	20,21	Hygienic standard for drinking water (environment standard)	MoEP GAQS	regulatory instrument	27
1986	3	9	8	Law of the Mineral Resources of the People's Republic of China	NPC	law	28
1986	3	26	10,20	Method of management of environment protection for construction projects (environment impact assessment) A departmental regulation which proposed management measures of environment protection for construction projects. The regulation specified: each construction project that has impact on environment must execute the system of environment impact assessment and the system of the "three in the same time". Based on this arrangement, many detailed rules and regulations were formulated, such as the responsibility assignment, procedure for examination and approval, environment impact report and environment impact list, qualification of environment impact assessment, fee collection of the assessment, environment protection chapter in the preliminary design of projects, completion acceptance report of environment protection facilities, supervision and check and etc. for those objects who execute the above mentioned two systems, authoritative organs and different administrative departments.	MoEP NDRC MoC	regulatory instrument	29
1987	3	1		A draft of institutional reform and function change for	NPC	law	30

				organizations under the state council.			
1987	5	1	19	The state bureau of environment protection which was under the jurisdiction of the ministry of construction was changed to an independent state bureau of environment protection which became a vice ministerial unit directly under the state council (a supervision organ)	SC	organizational change	31
1987	9	5	8	Air Pollution Prevention and Control Law of the People's Republic of China	NPC	law	32
1988	2	1	20,23	Control standard for pollutant in agricultural fly ash (environment standard)	MoEP GAQS	regulatory instrument	33
1988	2	1	20,23	Control standard for rural used urban refuse (environment standard)	MoEP GAQS	regulatory instrument	34
1988	3	20	20,21	An interim measure for water pollutants discharge permit management (discharge permit) Discharge application registration system + discharge permit system	MoEP	regulatory instrument	35
1988	4	9	12	Governmental institution reform of the state council	NPC	law	36
1988	5	1	13,36	The state bureau of environment protection was separated from the ministry of urban and rural construction and environment protection and thus became the state bureau of environment protection which is directly under the state council	SC MoHURC	organizational change	37
1988	9	1	11	An interim measure for the paid use of the pollution source treatment special fund (fee collection on pollution discharge) It was an important measure to turn the appropriation to loan for the pollution discharge fee. From that time on along with the continuous development of China's economy and the appearance of new environment issues, a series of policy were proposed and implemented on the use and management of pollution discharge fee.	SC	market-based instrument	38

1989	12	26	8	Law of Environmental Protection of the People's Republic of China was officially issued and implemented.	NPC	law	39
1990	3	1	14,21	Water quality standard for fisheries (environment protection standard)	MoEP GAQS	regulatory instrument	40
1990	6	29	39	Law of Water and Soil Conservation of the People's Republic of China	NPC	law	41
1990	7	1	41	Standard for Safe Use of Agricultural Chemicals (environment protection standard)	MoEP GAQS	regulatory instrument	42
1992	3	1	39	Control Standard for Polychlorinated biphenyls (PCBS) Waste Pollution (environment protection standard)	MoEP GAQS	regulatory instrument	43
1992	7	1	14,21	Meat Processing Industrial Water Pollutant Discharge Standards (environment protection standard)	MoEP GAQS	regulatory instrument	44
1992	7	1	14,21	Energy Reduction Effluent Standard for Iron and Steel Industry (environment protection standard)	MoEP GAQS	regulatory instrument	45
1992	7	1	14,21	Textile Dyeing and Finishing Industrial Water Pollutant Discharge Standards (environment protection standard)	MoEP GAQS	regulatory instrument	46
1992	9	14	11	A notice on the carrying out pilot work for the collection of fee of industrial coal sulfur dioxide discharge (fee collection for pollutant discharge) The notice aimed at the increasingly serious harm of acid rain and it marked an important spreading and expansion of the implementation scope of fee collection for pollutant discharge.	MoEP NDRC MoF	market-based instrument	47
1992	10	1	41	Standards for Irrigation Water Quality (environment protection standard)	MoEP GAQS	regulatory instrument	48
1993	3	31		A notice on carrying out the environment labeling work in our country (Chinese Environment Mark)	MoEP	voluntary instrument	49

1993	5	8		<p>Ten Big Countermeasures for China's Environment and Development</p> <p>It clearly proposed that China should change the way of development to a sustainable road. This is by no means a very important idea for China's policies on its economic development and environment protection.</p>	SC	guiding policy	50
1993	8	15	8,10,21	<p>A notice on the collection of the water pollutant discharge fee (charge on pollutant discharge)</p> <p>In consideration of some pollutant discharge units are discharging a large quantity of pollutant – although the concentration of their discharged pollution water is in or lower than the national discharge standard, but the harm on the environment is even serious than that of some over standard discharge due to their very large total quantity of discharged pollutant. In order to stimulate these units to make further efforts to control their pollution, it is decided to collect fee against their discharge of polluted water which does not exceed the limit set by the standard. This is the first time to declare the idea of control the total discharge quantity in the discharge fee collection.</p>	NDRC MoF	market-based instrument	51
1993	8	25	49	<p>Graphics of Chinese environment mark were published (Chinese environment mark)</p>	MoEP	voluntary instrument	52
1993	12	1	14,21	<p>Standard for space propellant water pollutant discharge and analytical method (environment protection standard)</p>	MoEP GAQS	regulatory instrument	53
1993	12	25	28	<p>Temporary regulations of resource tax of the people's republic of China (green tax)</p>	SC	market-based instrument	54
1994	2	27	28	<p>Regulation on the mineral resource compensation fee collection management (ecological compensation)</p>	SC	market-based instrument	55

1994	3	25	50	<p>China's 21st century agenda</p> <p>Part one: total strategy and policy of sustainable development. The agenda proposed the background and necessity of China's sustainable development strategy; proposed the strategic target, the strategic focus and substantial actions of China's sustainable development, and the legislation and implementation of China's sustainable development; the agenda formulated the economic policy for the sustainable development, described the principled stand and main action field for the international cooperation in field of environment and development.</p> <p>Part two: social sustainable development. Including the population, household consumption and social service, elimination of poverty, hygiene and health, human settlement and preventing disasters and reducing damages and etc. The most important things are to execute family planning, control population quantity and improve population quality.</p> <p>Part three: economic sustainable development. The agenda put forward the promoting economic quick growth as the first condition for the elimination of poverty, improving the living standard of the people, and enhancing the comprehensive national strength.</p> <p>Part four: rational utilization of resource and environment protection. Protection and sustainable utilization for natural resource including water and soil, and also the biodiversity protection, prevention and control of land desertification, preventing and reducing natural disaster were discussed.</p>	SC	guiding policy	56
1994	5	17	49	<p>The administration organ of Chinese environment mark – Chinese environment marked product authentication committee was officially founded. (Chinese environment mark)</p>	MoEP	voluntary instrument	57

1994	5	30	49	The state bureau of environment protection approved and issued the first batch of technological requirement upon seven sorts of environment marked product (Chinese environment mark)	MoEP	voluntary instrument	58
1994	10	1	21	Underground water quality criteria (environment standard)	MoEP GAQS	regulatory instrument	59
1995	6	15		Temporary measure for environment statistics management	MoEP	guiding policy	60
1995	8	8	21	Temporary regulation for water pollution prevention and control in Huaihe River basin	SC	guiding policy	61
1995	10	30	39	Prevention and control law against solid waste pollution of the people's Republic of China	NPC	law	62
1996	3	1	41	Quality criteria for soil environment (environment standard)	MoEP GAQS	regulatory instrument	63
1996	7	1	14,21	Caustic soda and polyvinyl chloride (PVC) industrial water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	64

1996	8	3	<p>Decision of the state council on some issues in environment protection</p> <p>The decision made some concrete regulations on the implementation of administrative authority responsibility system for the environment quality, carefully solving regional environment issue, firmly control new pollution, prohibiting the transfer of waste pollution, maintaining an ecological balance, protecting and rationally developing natural resource, feasibly increase the input on environment protection, strictly executing the law enforcement on environment protection, strengthening environment supervision and management, actively carrying out environment science research, making great efforts to develop environment protection industry, enhancing propagation and education on environment protection and improving the environment awareness of the people.</p> <p>The decision proposed to realize “one control and two standard reaching”: “one control” refers to total amount control of pollutant – it is required that by the end of year 2000, each province, autonomous revision, and municipality directly under the central government should control the discharge amount of main pollutant inside its poppadum to be within the limit given by the state. The total amount control is not aiming at all the pollutants but only on 12 sorts of industrial pollutants such as sulfur dioxide, industrial dust, COD, mercury, cadmium, and etc. The two-standard reaching refer to: the industrial pollution source should reach the pollutant discharge standard specified by local government or the state; air and ground water should reach the environment quality standard which is specified by the state for different functional areas.</p>	SC	guiding policy	65
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1996	10	1	32	Criteria for environment air quality (to be abolished on January 1, 2016) (environment standard)	MoEP GAQS	regulatory instrument	66
1996	10	29	39	Environmental Noise Pollution Prevention and Control Law of the People's Republic of China	NPC	law	67
1997	1	1	32	Discharge standard for coke oven air pollutant (to be abolished in October of 2012) (environment)	MoEP GAQS	regulatory instrument	68
1997	6	10	65	An implementation draft for the total amount control of main pollutants discharge in the whole country during the period of the 9 th five-year plan (total amount control)	MoEP NDRC MoC MoF	regulatory instrument	69
1997	11	1	39	The energy conservation law of the People's Republic of China	MoF SAT	law	70
1998	1	1	14,21	Integrated waste water discharge standard (environment standard)	MoEP GAQS	regulatory instrument	71
1998	4	29	23	Forest Law of the People's Re- public of China (revised)	NPC	law	72
1998	3	1		A draft for the state council's institutional reform and function change	NPC	law	73

1998	5	1	37	<p>The name of the state bureau of environment protection was changed to the general bureau of environment protection and it became an organ at ministry level (supervision organ)</p> <p>In order to improve the environment management, Qu Geping imagined: it is the best way to have an environment protection committee which is not on the regular payroll but be headed by a vice premier in the state council. He submitted his idea to the leadership of the state council on the second national environment protection conference. Again, he made a report about the task, the responsibility and work method to the leaders of the state council. All the leaders agreed with his idea. So, although the state council was making great effort to relocate non-standing organs at that time, the national environment protection committee of the state council was founded as an exceptional case, and its working office is set at the bureau of environment protection. Qu Geping said: although in 1980s when the bureau of environment protection was affiliated to the ministry of construction which is of a lower administration level, but that period was most active and most effective in the history of China's environment protection, this is because the existence of the national environment protection committee.</p>	SC	organizational change	74
1998	7	1	14,39	Sea water quality standard (environment standard)	MoEP GAQS	regulatory instrument	75
1998	11	18	29	<p>Environment protection management regulations for construction project (environment impact assessment)</p> <p>The legislation qualification of the system of environment impact assessment was further raised up and, in the meantime, many improvements and revilements were made upon the range of application, assessment opportunity, procedure of examination and approval and lawful</p>	SC	regulatory instrument	76

				responsibility of environment impact assessment.			
1999	3	17	76	Method of management on the qualification certificate for the environment impact assessment of the construction projects (environment impact assessment) This method made the environment impact assessment of our country to be a professional one.	MoEP	regulatory instrument	77
2000	4	29	32,39	Air Pollution Prevention and Control Law of the People's Republic of China (revised)	NPC	law	78
2001	8	31	39	Law on the prevention and control of desertification of the People's Republic of China	NPC	law	79
2001	12	30	69	The 10th five-year plan of national environmental protection and its appendix – a discomposed plan for the total amount control of the main pollutants discharge of the country during the period of the 10th five year plan (total amount control) The indexes of total amount control were discomposed and be distributed to grassroots, time schedule and concrete measures were made clear and in this way the total amount of the pollutants discharge of the whole country could be guaranteed to be reduced year after year. Key basins, regions, cities and sea areas should implement the index of the total amount control in accordance with the requirements set in their special planning (plan). And thus, the checking and ratifying of the practical total amount of the pollution discharge, the prediction to the newly added total amount of pollutant discharge, and the distribution of the allowed total amount of pollutant discharge were	MoEP NDRC MoC MoF	regulatory instrument	80

				becoming the important content of the environment assessment and the systematic analysis.			
2002	1	1	39,62,78	Hazardous waste incineration pollution control standards (environment standard)	MoEP GAQS	regulatory instrument	81
2002	1	1	39,78	Emission standard of cooking fume (trial) (environment standard)	MoEP GAQS	regulatory instrument	82
2002	1	1	14,39	Pollution control standard for marine water pollution project (environment standard)	MoEP GAQS	regulatory instrument	83
2002	1	1	39,78	Boiler air pollutants discharge standard (environment standard)	MoEP GAQS	regulatory instrument	84
2002	1	1	14,20,39	Ammonia industrial water pollutant discharge standards (environment standard)	MoEP GAQS	regulatory instrument	85
2002	1	30	11	Regulations on the management of collection and use of pollutant discharge fee (charge on pollutant discharge)	SC	market-based instrument	86
2002	6	29		Government Purchase Law of the People's Republic of China	NPC	law	87
2002	6	29		The cleaner production promotion law of the People's Republic of China	NPC	law	88
2002	7	1	39,62	Pollution control standard for general industrial solid waste storage and disposal site (environment standard)	MoEP GAQS	regulatory instrument	89
2002	7	1	39,62	Pollution control standard for the storage of hazardous waste (environment standard)	MoEP GAQS	regulatory instrument	90
2002	7	1	39,62	Hazardous waste landfill pollution control standards (environment standard)	MoEP GAQS	regulatory instrument	91
2002	10	1	39	Water Law of the People's Republic of China	NPC	law	92

2002	10	28	76	The environmental impact assessment law of the People's Republic of China (environment impact assessment) This law is formulated for the implementation of the sustainable development strategy, to prevent the harmful influence upon the environment produced from the implementation of planning and construction project, and to promote an associated development of the economy, society and the environment.	NPC	law	93
2003	1	1	21,39,78	Livestock and poultry breeding industry pollutant discharge standards (environment standard)	MoEP GAQS	regulatory instrument	94
2003	3	1	39,78	Indoor air quality standard (environment standard)	MoEP GAQS	regulatory instrument	95
2003	3	1	70	The first batch of pilot project of the energy saving voluntary compliance agreement (energy saving compliance agreement) Jinan iron and steel group corporation, Laiwu iron and steel group limited and Shandong provincial commission of economy and trade signed the voluntary compliance agreement. The two enterprises committed that they would save one million ton of standard coal within three years which is 143,000 ton more than their original target. It is a remark that China's voluntary compliance agreement has come to the pilot implementation stage.		voluntary instrument	96
2003	5	23	88	A notice on carrying out the activity of establishing national environment friendly enterprise (environment friendly enterprise)	MoEP	voluntary instrument	97
2003	6	17	93	Method of management for the environment impact assessment examination expert database (environment impact assessment)	MoEP	regulatory instrument	98
2003	6	28	39	Prevention and control law against radioactive pollution of the People's Republic of China	NPC	law	99

2003	7	1	14,21,39,78	Pollutant discharge standard for urban sewage treatment plant (environment standard)	MoEP GAQS	regulatory instrument	100
2003	8	1	93	Technical guideline for the regional environment impact assessment in development zone (environment impact assessment)	MoEP	regulatory instrument	101
2003	8	1	93	Principled technical guideline for the environment impact assessment of planning (trial use) (environment impact assessment)	MoEP	regulatory instrument	102
2003	9	1	57,88	Zhonghuan (Beijing) authentication center limited was founded at the approval of the state general bureau of environmental protection (Chinese environment label)	MoEP	voluntary instrument	103
2003	10	8	14,21,39,78	Method of examination for the environment impact report of special planning (environment impact assessment)	MoEP	regulatory instrument	104
2004	1	1	39,78	Fossil-fuel power plant atmospheric pollutant emission standard (environment standard)	MoEP GAQS	regulatory instrument	105
2004	4	1	14,39	Monosodium glutamate industry pollutant emission standard (environment standard)	MoEP GAQS	regulatory instrument	106
2004	4	1	14,39	Citric acid industry pollutant emission standard (environment standard)	MoEP GAQS	regulatory instrument	107
2004	10	21	72	Method of management on central financial compensation fund for forest ecology (ecology compensation)	MoF	market-based instrument	108
2004	11	25	70,96	Mid and long term special planning of energy saving (energy saving voluntary compliance agreement)	NDRC	voluntary instrument	109
2004	12	29	39,62	Prevention and control law against solid waste pollution of the People's Republic of China (revised)	NPC	law	110
2005	1	1	39,78	Air pollutant emission standard for cement industry (environment)	MoEP GAQS	regulatory instrument	111
2005	1	31	103	Mutual authentication agreement signed by Zhonghuan authentication center with different foreign authentication organizations (Chinese environment mark)		voluntary instrument	112

2005	2	28	39	Renewable energy law of the People's Republic of China	NPC	law	113
2005	3	7	97	A notice on doing further work for the establishment of national environment friendly enterprise (environment friendly enterprise)	MoEP	voluntary instrument	114
2005	6	6	70,96,109	China's terminal project of energy-consumption (voluntary compliance agreement on energy saving)	NDRC	voluntary instrument	115
2005	6	7	28	Several recommendations by the state council to promote a healthy development of coal industry	SC	guiding policy	116
2005	11	21	88	Recommendations to accelerate the work of evaluating the environment actions of enterprise (green credit)	MoEP	market-based instrument	117
2005	12	3		Decision by the state council on implementing the scientific outlook of development to strengthen environment protection	SC	guiding policy	118
2005	12	31	65	Temporary regulation on punishing breaches of laws and regulations in environment protection (environment responsibility) With the implementation of this regulation, those including state administrative organs and their staff, enterprise members who were appointed by the state administrative organ shall be investigated and punished severely if they have breaches of laws and regulations, in environment protection, for instance, to be umbrella for enterprise that illegally discharges pollution.	MoEP MoS	regulatory instrument	119
2006	1	1	88	National eco-industry demonstration park standard (eco-industry demonstration park)	MoEP	voluntary instrument	120
2006	1	1	113	Trial measure for the allocation management for the price and expense of renewable energy power (green price)	NDRC	market-based instrument	121
2006	2	10	119	Guiding ideas on the establishment of responsibility mechanism for mine environment control and ecological restoration (environment responsibility)	MoF MoLR	regulatory instrument	122

2006	3	10		<p>Outline of the 11th five-year plan of national economic and social development</p> <p>The outline proposed an obligatory target that during the period of 11th five years plan the energy consumption per unit of GDP should be reduced by about 20%, and the total amount of main pollutant discharge should be reduced by 10%. This is an important measure to implement the scientific development outlook to construct the socialist harmonious society; it is an inevitable choice to construct an energy conserving and environment friendly society; it is the only road to push forward the adjustment of economic structure and to change the mode of economic growth; it is an inevitable requirement to improve the living standard of the people and to maintain the long-term profit of the Chinese nationality.</p>	NPC	law	123
2006	6	1	14,21,39,78	Water pollutants discharge standard for medical institution (environment standard)	MoEP GAQS	regulatory instrument	124
2006	6	1	14,21,39	Beer industry pollutants discharge standard (environment standard)	MoEP GAQS	regulatory instrument	125
2006	6	21	114	A notice on holding forum for the work of establishing national environment friendly enterprise (environment friendly enterprise)	MoEP	voluntary instrument	126
2006	8	5	80	Plan on controlling total amount of main pollutant discharge of the country (total amount control)	MoEP NDRC	regulatory instrument	127
2006	9	22		A notice by general office of the state council on retransmission of the recommendations of the state development and reform commission on perfecting the policy of differential electricity price (green price)	SC NDRC	market-based instrument	128
2006	10	1	21,39,78,110	Coal industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	129

2006	10	24	87,112	Recommendations on implementing government purchasing environment label product (green purchase + Chinese environment label)	MoF MoEP	market-based instrument	130
2006	11	6	93,116,118	A notice on enhancing the overall planning of coal mine region and the work of environment impact assessment for coal mine construction project (environment impact assessment)	MoEP	regulatory instrument	131
2006	12	19	117	A notice on some issues in sharing environment protection information of enterprise (green credit)	PBC MoEP	market-based instrument	132
2007	1	1	14,21,39	Saponin industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	133
2007	1	30	132	Method of management over the information disclosure of the listed companies (green credit) The securities regulatory commission formulated this method to match up the even higher requirement by the new company act and the security act for the information disclosure of the listed companies, and to implement the requirement of improving the operation transparency of the listed companies proposed by the notice of the state council on transferring the recommendation of the securities regulatory commission to improve the quality of listed company, and to accommodate the requirement put upon the supervision on listed companies by the new situation after the equity division reform.	CSRC	market-based instrument	134
2007	3	14	130	A list of government purchased environment label product (green purchase + Chinese environment label)	MoF MoEP	market-based instrument	135
2007	3	23	134	Some recommendations of the general office of the state council on the establishment of social credit system (green credit)	SC	market-based instrument	136
2007	4	9	128	A notice on steadily implementing the policy of differential electricity price and prohibiting voluntarily introducing preferential electricity price (green price)	NDRC	market-based instrument	137

2007	5	9	137	Management method for the desulfurization electricity price of coal fired power plant and the operation of desulfurization facility (trial use) (green price)	NDRC	market-based instrument	138
2007	5	23	123	A comprehensive work plan for energy conservation and emission reduction	SC	guiding policy	139
2007	7	25	39	Management method of environment monitoring	MoEP	guiding policy	140
2007	8	1	39,78	Gas station air pollution emission standard (environment standard)	MoEP GAQS	regulatory instrument	141
2007	8	1	39,78	Air pollutant emission standard for gasoline transportation (environment standard)	MoEP GAQS	regulatory instrument	142
2007	8	1	39,78	Air pollutant emission standard for oil storage (environment standard)	MoEP GAQS	regulatory instrument	143
2007	8	24	118	A guideline recommendation on carrying ecology compensation work (ecology compensation)	MoEP	market-based instrument	144
2007	9	30	137	A notice on concerned issues in further implementation of differential electricity price (green price)	NDRC	market-based instrument	145
2007	10	8		A notice on enhancing environment supervision and control over export enterprise (environment trade)	MoC MoEP	market-based instrument	146
2007	10	8	35	Temporary management method for water pollutant discharge permit expired.	MoEP	regulatory instrument	147
2007	10	30	70	Energy conservation law of the People's Republic of China (revised)	NPC	law	148
2007	11	22	127	The 11th five-year plan of national environment protection (total amount control)	SC	regulatory instrument	149
2007	12	1	93,118	A notice on enhancing highway planning and construction environment impact assessment (environment impact assessment)	MoEP	regulatory instrument	150
2007	12	4	118,139	A guideline recommendation for the environment pollution liability insurance work (environment pollution liability insurance)	MoEP GAQS	market-based instrument	151

2007	12	7	104,118	A notice on further standardizing the examination work upon special planning environment impact report (environment impact assessment)	MoEP	regulatory instrument	152
2007	12	10	88,120	Management method for national eco-industry demonstration park (eco-industry demonstration park)	MoEP MoC MoST	voluntary instrument	153
2007	12	21	145	A notice on some issues in concealing preferential electric price for the energy in Beijing-Tianjin-Hebei abrasive industries such as electrolytic aluminum industry (green price)	NDRC	market-based instrument	154
2008	2	22	118,134,139	Guideline recommendations on enhancing the supervision and control over the listed company environment protection (green security) Guide the listed companies to actively perform their social responsibility of environment protection and stimulate the listed companies to continuously improve their environment presentation, and try their best to be examples of resource conserving and environment friendly one.	MoEP CSRC	market-based instrument	155
2008	2	29	21,39	Water pollution prevention and control law of the People's Republic of China (revised)	NPC	law	156
2008	3	1		The state council governmental institutional reform	NPC	law	157
2008	3	10	74,157	State general bureau of environment protection was upgraded to the ministry of environment protection so as to strengthen the environment protection responsibility (supervision organ)	SC	organizational change	158
2008	3	31	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Suzhou industry zone national eco-industry demonstration park Suzhou high-new tech development zone national eco-industry demonstration park	MoEP	voluntary instrument	159

				Tianjin economic and technological development zone national eco-industry demonstration park			
2008	7	1	39,110,156	Living garbage landfill pollution control standards (environment standard)	MoEP GAQS	regulatory instrument	160
2008	7	1	39,78	Coalbed methane (coal mine gas) emission standard (interim) (environment standard)	MoEP GAQS	regulatory instrument	161
2008	7	1	39,156	Heterocyclic pesticides industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	162
2008	7	3	130	A notice on readjusting list of government purchased environment label product (green purchase)	MoF MoEP	market-based instrument	163
2008	8	1	139,148	A notice on adjustment of passenger vehicle consumption tax policy (green tax)	MoF SAT	market-based instrument	164
2008	8	1	14,39,156	Sugar industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	165
2008	8	1	14,39,156	Mixed preparation pharmacy industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	166
2008	8	1	14,39,156	Extract pharmacy industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	167
2008	8	1	14,39,156	Biological engineering pharmacy industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	168
2008	8	1	14,39,156	Traditional Chinese medicine pharmacy industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	169
2008	8	1	14,39,156	Fermentation pharmacy industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	170

2008	8	1	14,39,78,156	Electroplating pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	171
2008	8	1	14,39,156	Chemical synthetic pharmacy industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	172
2008	8	1	14,39,78,156	Synthetic leather and artificial leather industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	173
2008	8	1	14,39,156	Down feather industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	174
2008	8	1	14,39,156	Pulping and papermaking industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	175
2008	9	1		Circular economy promotion law of the People's Republic of China Article 44 of the law regulates clearly that the state gives tax preference to those industrial activities which promote the circular economy development. The state makes use of tax and other measures to encourage the import of advanced technology, equipment, and product which feature in energy saving, water saving and material saving, but limit the export of product which consumes more energy and produce pollution during manufacture.	NPC	law	176
2008	9	5	176	A notice on some issues appeared in the execution of income tax preferential directory for special environmental protection equipment enterprise, income tax preferential directory for special energy and water conserving equipment enterprise, and income tax preferential directory for special safety production equipment enterprise (green tax)	MoF SAT	market-based instrument	177
2008	9	16	46,176	A notice on the adjustment of resource tax standard for diatomite, perlite, phosphate ore and jade and etc. (green tax)	MoF SAT	market-based instrument	178

2008	10	1	176	A notice on the policy of renewable resource tax (green tax)	MoF SAT	market-based instrument	179
2008	12	9	176	A notice on the policy of value-added tax for comprehensive utilization and other product (green tax)	MoF SAT	market-based instrument	180
2009	3	23	176	A notice on issues of enterprise income tax policy for China's clean development mechanism (CDM) funds and enterprises which executed the clean development mechanism (CDM)project (green tax)	MoF SAT	market-based instrument	181
2009	4	10	176	A notice on issues of management on enterprise income tax preference for the enterprise which makes comprehensive utilization of resource (green tax)	SAT	market-based instrument	182
2009	4	10	163	Recommendations by the general office of the state council on further enhancing the management work of government purchase (green purchase)	SC	market-based instrument	183
2009	7	8	156	Method of management of time-limit treatment and control (trial use), it aims mainly on the time-limit treatment of water pollution (time-limit control)	MoEP	regulatory instrument	184
2009	8	12	93	Regulations of environment impact assessment for planning (environment impact assessment)	SC	regulatory instrument	185
2009	9	2	185	A notice on studying and executing the regulations of environment impact assessment for planning so as to enhance the work of environment impact assessment for planning (environment impact assessment)	MoEP	regulatory instrument	186
2009	9	9	17	The regulation of prevention and control of ship pollution to marine environment (revised)	SC	guiding policy	187
2009	12	7	176	A notice on the value-added tax policy for the comprehensive utilization product that makes use of agricultural and forest residues as raw material (green tax)	MoF SAT	market-based instrument	188
2009	12	22	176	A notice on reducing passenger vehicle purchase tax for vehicles with a displacement of below 1.6 liter (green tax)	MoF SAT	market-based instrument	189

2009	12	31	176	A notice on publishing the enterprise income tax preference content (trial use) for environment protection energy and water conserving project (green tax)	MoF SAT	market-based instrument	190
2010	4	1	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry (environment standard)) Wuxi new district national eco-industry demonstration park Yantai economic and technological development zone national eco-industry demonstration park Shandong Weifang coastal national eco-industry demonstration park	MoEP	voluntary instrument	191
2010	5	6	139,176	A notice on carrying out further work which makes use of tax to stimulate energy conservation and emission reduction (green tax)	SAT	market-based instrument	192
2010	5	11	176	A notice on the adjusting the tax rate standard of the resource tax for refractory clay and fluorite (green tax)	MoF SAT	market-based instrument	193
2010	5	17	145	A notice on clearing up the preferential electricity price for high energy consumption enterprise (green price)	NDRC	market-based instrument	194
2010	6	2	176	A notice on concerned issues in offsetting enterprise income tax by means of investment in special equipment for environment protection energy and water conservation safety production (green tax)	SAT	market-based instrument	195
2010	7	18	145	A notice on perfecting the policy of the electricity price of the power plant which makes agricultural and forest biomass as fuel (green price)	NDRC	market-based instrument	196
2010	8	26	120,153	National eco-industry (environment standard) s which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Shanghai shenzhuang industry zone national eco-industry demonstration park Rizhao economic and technological development zone national eco-industry demonstration park	MoEP	voluntary instrument	197

2010	10	1	14,78,93,110,156	Ceramic industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	198
2010	10	1	14,78,93,110,156	Magnesium, titanium industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	199
2010	10	1	14,78,93,110,156	Copper, nickel, cobalt industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	200
2010	10	1	14,78,93,110,156	Lead, zinc industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	201
2010	10	1	14,78,93,110,156	Aluminum industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	202
2010	10	1	14,78,93,110,156	Printing ink industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	203
2010	10	1	14,78,93,110,156	Yeast industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	204
2010	10	1	14,78,93,110,156	Starch industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	205
2010	11	18	176	A notice on adjusting part of the policy of the imported oil consumption tax (green tax)	MoF SAT	market-based instrument	206
2010	11	29	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Kunshan economic and technological development zone national eco-industry demonstration park Zhangjiagang bonded zone & Yangzijiag international chemical industrial park national eco-industry demonstration park Yangzhou economic and technological development zone national eco-industry demonstration park	MoEP	voluntary instrument	207

2010	12	21		National plan for developing functional zones (environment regionalization) This is a strategic basic and restrictive plan of the national land space development. To formulate and implement the plan is an important strategic measure for the deeply implementation of the scientific outlook of development. It has important strategic importance to the formation of national land space development pattern in which the population, economy and resource environment are coordinated, to the speeding up change of the economic development mode, to the promotion of the economy for a long term, stable and quick development and the social harmony and stability, and to the realization of the comprehensive construction well-off society goal and long-term goal of socialist modernization construction.	SC	regulatory instrument	208
2010	12	22	176	A notice on the consumption tax exemption from conscription for the production of pure biodiesel from wasted animal and vegetable oil (green tax)	MoF SAT	market-based instrument	209
2011	1	6	127	Plan of national total amount control of main pollutant discharge in the period of the 12th five-year plan (total amount control)	MoEP NDRC	regulatory instrument	210
2011	4	2	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Shanghai Jinqiao export processing zone national eco-industry demonstration park.	MoEP	voluntary instrument	211
2011	4	25		National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Beijing economic and technological development zone national eco-industry demonstration park.	MoEP	voluntary instrument	212
2011	6	30	156	Measures of management for pilot of the protection of lake ecological environment protection	MoF MoEP	guiding policy	213

2011	7	19	208	Payment methods for the transfer of state key ecological function zones (environment regionalization)	MoF	regulatory instrument	214
2011	8	11	185	A notice on further enhancing the work of environment impact assessment of planning (environment impact assessment)	MoEP NDRC	regulatory instrument	215
2011	8	24	145	A notice on perfecting the policy of solar photovoltaic power grid electricity price (green price)	NDRC	market-based instrument	216
2011	9	30	54,176	Provisional regulations on resource tax of the People's Republic of China (revised)	SC	guiding policy	217
2011	10	1	39,78,156	Aluminum industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	218
2011	10	1	39,78,156	Magnesium, titanium industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	219
2011	10	1	39,78,156	Copper, nickel, cobalt industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	220
2011	10	1	39,78,156	Lead, zinc industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	221
2011	10	1	39,78	Sheet glass industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	222
2011	10	1	39,78,156	Vanadium industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	223
2011	10	1	39,78,156	Vanadium industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	224
2011	10	1	39,78,156	Ceramic industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	225
2011	10	1	14,39,156	Phosphorous fertilizer industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	226
2011	10	1	14,39,78,156	Rare earth industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	227

2011	10	17	176	Recommendations of the state council on enhancing key work of environment protection	SC	guiding policy	228
2011	10	18	185	Interim measures for river hydropower planning review report and planning environmental impact report (environment impact assessment)	MoEP NDRC	regulatory instrument	229
2011	10	25	127,210	The 12th five-year plan of national environment protection, in which the total amount control planning and pilot work on carbon emission trading were included. (total amount control)	SC	regulatory instrument	230
2011	10	28	217	Provisional regulations, implementing rules of the resource tax of the People's Republic of China	MoF SAT	guiding policy	231
2011	10	29	230	A notice on carrying out pilot work of carbon emission permit trading (pollutant discharge permit trading) On the overall deployment against climate change by the central committee of the party and the state council, to implement the requirement of gradually establishing domestic carbon emission market as proposed by the 12th five year plan, to promote the utilization of market mechanism so as to realize the target the 2020 greenhouse gas emission with a relatively low cost, to speed up the change of economic growth mode and the upgrading of the industry structure, the commission, in consideration and in combination of applications and working bases of concerned regions, approve Beijing, Tianjin, Shanghai, Chongqing municipalities, Hubei and Guangdong provinces, and Shenzhen municipality to carry out pilot work of carbon emission trading.	NDRC	market-based instrument	232
2011	10	30	145	Notice on enhancing the adjustment and control over power generation coal price (green price)	NDRC	market-based instrument	233
2011	11	29	121	Interim measures for the collection and use of renewable energy development funds.	MoF NDRC NEA	guiding policy	234

2011	11	30	145	A notice on the adjustment and control for the power generation coal price (green price).	NDRC	market-based instrument	235
2011	11	30	144	Some recommendations on establishing and perfecting ecological compensation mechanism (ecology compensation).	NDRC	market-based instrument	236
2011	12	5	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Guangzhou development zone national eco-industry demonstration park	MoEP	voluntary instrument	237
2012	1	1	14,39,78,156	Rubber product industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	238
2012	1	1	14,39,156	Alcohol and liquor fermentation industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	239
2012	1	1	39,156	Vehicle repair industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	240
2012	1	1	14,39,156	Ammunition charge industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	241
2012	1	6	217	A notice on the business tax policy for transferring natural resource permit (green tax)	MoF SAT	market-based instrument	242
2012	1	6	229	A notice on enhancing the environment protection for hydropower construction (environment impact assessment)	MoEP	regulatory instrument	243
2012	3	6	139,148	A notice on the policy of vehicle and vessel tax for energy conservation by making use of new energy vehicle and vessel (green tax)	MoF SAT	market-based instrument	244
2012	3	19	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Nanjing economic and technological development zone	MoEP	voluntary instrument	245

2012	4	6	145	A notice on perfecting the policy of waste incineration power generation price (green price)	NDRC	market-based instrument	246
2012	4	16	145	A notice on perfecting the policy of waste incineration power generation price (green price)	NDRC	market-based instrument	247
2012	4	25	121,234	Interim measures for management of additional subsidy funds on renewable energy electricity price (green price)	MoF	market-based instrument	248
2012	5	11	14,187	Management Regulations of Collection and Use of the Ships Pollution Damage Compensation Fund	MoF MoT	market-based instrument	249
2012	6	26	139,148	A notice on some issues of exemption from vehicle purchase tax for urban public transportation enterprise's purchase of vehicle (green tax)	SAT	market-based instrument	250
2012	7	3	86,249	Implementation regulations of Management Regulations of Collection and Use of the Ships Pollution Damage Compensation Fund (charge on pollutant discharge)	MoF	market-based instrument	251
2012	7	3	228,230	A notice on further enhancing management of environment impact assessment to prevent environment risk (environment impact assessment)	MoEP	regulatory instrument	252
2012	10	1	39,78	Iron alloy industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	253
2012	10	1	14,39,78	Steel industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	254
2012	10	1	39,78	Iron alloy industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	255
2012	10	1	14,39,78,156	Rubber product industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	256
2012	10	1	39,78	Iron industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	257
2012	10	1	14,39,78,156	Coke industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	258

2012	10	1	39,78	Iron and steel sintering, pellet industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	259
2012	10	1	14,39,78	Steel rolling industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	260
2012	10	1	39,78,156	Iron ores mining & dressing industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	261
2012	11	29	230	Division scheme of ministry of environment protection for key work specified in the 12th five-year plan on national environment protection (total amount control)	MoEP	regulatory instrument	262
2012	12	18	145	A notice on relieving the intervention measures for power generation coal preliminary price (green price)	NDRC	market-based instrument	263
2012	12	26	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Tianjin coastal high-new tech industry development zone Huayuan S & T park national eco-industry demonstration park Shanghai Caoheting xinxing technology development zone	MoEP	voluntary instrument	264
2012	12	28	145	A notice on some issues in enlarging the pilot scope of denigration electricity price (green price)	NDRC	market-based instrument	265
2013	1	1	14,39,156	Bast fiber spinning industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	266
2013	1	1	14,39,156	Wool spinning industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	267
2013	1	1	14,39,156	Filature industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	268
2013	1	21	151,228	Guideline recommendations on carrying out pilot work of environment pollution compulsory liability insurance (environment pollution liability insurance)	MoEP CIRC	market-based instrument	269

2013	2	1	54	A notice on perfecting the tax refund policy on consumption tax of ethylene, Aromatic hydrocarbon chemical products produced from naphtha, fuel oil (green tax)	MoF SAT	market-based instrument	270
2013	2	6	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Shanghai chemical industry economic and technological development zone Shandong Yangguxiangguang eco-industry park Linyi economic and technological development zone	MoEP	voluntary instrument	271
2013	7	1	39,78	Electronic glass industry air pollutant emission standard (environment standard)	MoEP GAQS	regulatory instrument	272
2013	7	4	55	A notice on further standardizing the collection management of mining resource compensation fee	MoLR	market-based instrument	273
2013	7	30	39,140,156	Pollution source supervision monitoring and information publication method for enterprises under the supervision of the state (trial use) (green credit)	MoEP	market-based instrument	274
2013	7	30	39,140,156	Method of self-monitoring and information publication of enterprises under supervision of the state (trial use) (green credit)	MoEP	market-based instrument	275
2013	8	5	93,185	A notice on further enhancing aquatic resource protection and making strict management over environment impact assessment (environment impact assessment)	MoEP	regulatory instrument	276
2013	9	10	78	An action plan for the prevention and control of air pollution	SC	guiding policy	277
2013	9	23	139,148	A notice on value-added tax policy for photovoltaic power generation (green tax)	MoF SAT	market-based instrument	278
2013	11	19	139,148	A notice on concerned issues of governmental fund exemption for the self-generated and self-used electricity by distributed photovoltaic power generation (green tax)	MoF	market-based instrument	279

2013	12	12	148	A notice on the exemption of consumption tax for regenerated oil from wasted fossil oil (green tax)	MoF SAT	market-based instrument	280
2013	12	12	139,148	A notice on taking the railway transportation industry and post industry into the pilot work of replacing business tax with value-added tax (green tax)	MoF SAT	market-based instrument	281
2013	12	13	145	A notice on the implementation of step tariff policy of the electrolytic aluminum enterprises	NDRC	market-based instrument	282
2013	12	18	117,136,228	Evaluation method for enterprise's environment credit (trial use) (green credit)	MoEP NDRC PBC CBRC	market-based instrument	283
2014	1	1	39,78	Brick-tile industry air pollutant emission standard (environment standard)	MoEP GAQS	regulatory instrument	284
2014	1	29	41,86	Collection and use management method for water and soil conservation compensation fee (charge on pollution discharge)	MoF	market-based instrument	285
2014	3	1	39,78,110,176	Standard for cement kiln to collaboratively treating pollution from solid waste (environment standard)	MoEP GAQS	regulatory instrument	286
2014	3	1	14,39,156	Leather and fur processing industry water pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	287
2014	3	1	39,78	Cement industry air pollutant emission standard (environment standard)	MoEP GAQS	regulatory instrument	288
2014	3	1	14,39,78,156	Battery industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	289
2014	3	26	93,185	A notice on further enhancing the work of environment impact assessment in water conservancy planning (environment impact assessment)	MoEP	regulatory instrument	290
2014	4	24	78	Environment protection act of the people's Republic of China (revised)	NPC	law	291

2014	5	7	285	A notice on standard of water and land conservancy compensation fund collection (trial use) (ecological compensation)	NDRC	market-based instrument	292
2014	5	14	243	A notice on deeply implementing the eco-environment protection measure in hydropower development	MoEP	guiding policy	293
2014	5	15	139	Action plan of 2014 – 2015 energy conservation and emission reduction low-carbon development (total amount control)	SC	regulatory instrument	294
2014	6	4	145	Method of supervision and control over environment protection electricity price of coal-fired power generation set and environment protection facility operation (green price)	NDRC	market-based instrument	295
2014	6	5	145	A notice on policy of grid purchase price for offshore wind power (green price)	NDRC	market-based instrument	296
2014	6	5	93,102,185	Technological guideline general principle for planning environment impact assessment (environment impact assessment)	MoEP	regulatory instrument	297
2014	7	1	78,156,291	Tin, antimony, mercury industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	298
2014	7	1	78,291	Boiler air pollutant emission standard (environment standard)	MoEP GAQS	regulatory instrument	299
2014	7	18	93,185	A notice on carrying out environment impact assessment in coal fired power base planning (environment impact assessment)	MoEP	regulatory instrument	300
2014	7	25	184,277,294	A draft of time limited treatment of the atmospheric pollution for key industries in Beijing-Tianjin-Hebei and surrounding areas (time limited treatment)	MoEP	regulatory instrument	301
2014	8	1	139,148,176	An announcement on exemption of purchase tax for new energy vehicle (green tax)	MoIIT	market-based instrument	302
2014	8	6	145	A notice on concerned issues for the policy of electricity price of electric automobile (green price)	NDRC	market-based instrument	303

2014	9	2	232	Guideline recommendations of the general office of the state council on the work of further promoting paid utilization upon pollution discharge permit and trading pilot (pollution discharge permit trading)	SC	market-based instrument	304
2014	9	12	139	Action plan (2014 – 2020) for the upgrading and reform of energy conserving and emission reduction in coal fired power generation (total amount control)	NDRC MoEP NEA	regulatory instrument	305
2014	9	22	183	Guideline recommendations of the ministry of commerce on making great efforts in development of green circulation, to construct green supply chain. (green purchase)	MoC	market-based instrument	306
2014	10	9	139,148,294,305	A notice on the implementation of coal resource tax reform (green tax)	MoF SAT	market-based instrument	307
2014	10	9	139,148,294,305	A notice on concerned policy of the adjustment of crude oil and natural gas resource tax (green tax)	MoF SAT	market-based instrument	308
2014	10	11	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Xuzhou economic and technological development zone Nanjing high-new tech industry development zone Hefei high-new tech industry development zone Qingdao high-new tech industry development zone Qingdao Xintiandi vein industry park	MoEP	voluntary instrument	309
2014	11	16	277,294,305	A draft of time limited treatment over key industry atmospheric pollution in Yangtze river delta area (time limited treatment)	MoEP	regulatory instrument	310
2014	11	16	277,294,305	A draft of time limited treatment over key industry atmospheric pollution in Zhujiang river delta area and surrounding areas (time limited treatment)	MoEP	regulatory instrument	311

2014	11	19	155	A notice on the reform and adjustment over the environment protection verification system for listed companies (green securities) Change the system of environment verification for listed companies to daily and non-periodic inspection.	MoEP	market-based instrument	312
2014	11	24	93,185	Technical essentials of environment impact assessment in highway network planning (trial use) (environment impact assessment)	MoEP MoT	regulatory instrument	313
2014	11	28	139,148,294,305	A notice on increasing consumption tax for refined oil product (green tax)	MoF SAT	market-based instrument	314
2014	12	12	314	A notice on further increasing consumption tax for refined oil product (green tax)	MoF SAT	market-based instrument	315
2014	12	22	183	A guideline of green purchase for enterprise (trial use) (green purchase)	MoC MoEP MoIIT	market-based instrument	316
2014	12	25	120,153	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Changzhou national high-new technological industry development zone Changshu economic and technological development zone Nantong economic and technological development zone	MoEP	voluntary instrument	317
2014	12	31	145	A notice on concerned issues over the management of natural gas fired power tariff (green price)	NDRC	market-based instrument	318
2014	12	31	145	A notice on the appreciate adjustment of onshore wind benchmarking tariff (green price)	NDRC	market-based instrument	319
2015	4	25	291	Recommendations of the state council on speeding up the promotion of ecological civilization construction	SC	guiding policy	320
2015	7	1	78,156,291	Petroleum refinery industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	321

2015	7	1	14,78,156,291	Secondary copper, aluminum, lead, zinc industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	322
2015	7	1	78,156,291	Synthetic resin industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	323
2015	7	1	14,78,156,291	Inorganic chemical industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	324
2015	7	1	78,156,291	Petrochemical industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	325
2015	7	1	291,330	Crematorium atmospheric pollutant emission standard (environment standard)	MoEP GAQS	regulatory instrument	326
2015	7	1	78,156,291	Petroleum refinery industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	327
2015	7	1	78,156,291	Petrochemical industry pollutant discharge standard (environment standard)	MoEP GAQS	regulatory instrument	328
2015	7	23	304	Interim method for management for income from pollution discharge right transfer (emission trading)	MoF NDRC MoEP	market-based instrument	329
2015	8	29	78	Air pollution control law of People's Republic of China (revised)	NPC	law	330
2015	9	21	320	Overall plan of ecological civilization system reform	SC	guiding policy	331
2015	12	8	93,185	A notice on carrying out work of environment impact assessment in mining resource planning (environment impact assessment)	MoEP	regulatory instrument	332
2015	12	10	283	Guideline recommendations on enhancing enterprise's environmental credit system construction (green credit) Party central committee and the state council pay great importance on social credit system construction. The 18th national congress of CPC proposed "strengthen construction of government credit, business credit, social credit and judicial public faith" The third plenary session	MoEP NDRC	market-based instrument	333

				<p>of the 18th CPC central committee proposed “establish and perfect social credit system, praise good faith, punish break letter”. The fourth plenary session of the 18th CPC central committee proposed “strengthen social credit construction, perfect the law-abiding credit record of citizen and organization, improve the praise mechanism for law-abiding credit and the punish mechanism for law-breach and faith breaking”</p> <p>The credit construction in field of environment protection is an important part of the social credit system construction. The newly revised environment protection law specifies that the information of environmental law breach of enterprise and institution, and other production operator should be recorded into the social credit archive and the name of the law breaker should be published to the society. The 2014 – 2020 social credit system construction outline issued by the state council proposed clear requirement upon the credit construction in field of environment protection. The notice on enhancing environment supervision law enforcement issued by the general office of the state council proposed: “establish environment credit evaluation system, list the environment law-broken enterprise into a ‘blacklist’ and make it publicly to the society, record their environment pollution behavior into social credit system.</p>			
2015	12	17	153,176	National eco-industry demonstration park management measure (revised) (eco-industry demonstration park)	MoEP MoC MoST	voluntary instrument	334
2015	12	22	145	A notice on perfecting the policy of grid benchmarking tariff for onshore wind photovoltaic power (green price)	NDRC	market-based instrument	335
2015	12	24	120,176	National eco-industry demonstration park management measure (revised) (eco-industry demonstration park)	MoEP	voluntary instrument	336

2016	1	3		Ministry of environment protection set up leading group of pollution discharge permit consisting of comprehensive group, atmosphere group and water group so as to start an overall reformation on pollution discharge permit system. (total amount control)	MoEP	regulatory instrument	337
2016	1	4	185	Guideline recommendations on carrying out consultation for environment impact assessment in planning (trial use) (environment impact assessment)	MoEP	regulatory instrument	338
2016	1	4	93,185,320,331	Recommendations on enhancing joint operation between environment impact assessment in planning and environment impact assessment of construction project (environment impact assessment)	MoEP	regulatory instrument	339
2016	1	11	329	A notice on practically carrying out national carbon emission right trading market starting work (pollution discharge right trading)	NDRC	market-based instrument	340
2016	2	24	93,185,320,331	Guideline recommendations on enhancing space control, total amount control and environment admittance in environment impact assessment for planning (trial use) (environment impact assessment)	MoEP	regulatory instrument	341
2016	4	27	109	Method of management over energy conservation in industry (energy conserving voluntary compliance agreement)	NDRC	voluntary instrument	342
2016	4	28	236	Recommendations of the general office of the state council on perfecting ecology protection compensation mechanism (ecological compensation)	SC	market-based instrument	343
2016	5	9	217	A notice on promoting overall resource tax reform (green tax)	MoF SAT	market-based instrument	344
2016	5	9	344	Temporary method for water resource reform pilot (green tax)	MoF SAT	market-based instrument	345
2016	6	1	93,185	A notice on carrying out clear and simple management pilot work for environment impact assessment in industrial park planning (environment impact assessment)	MoEP	regulatory instrument	346

2016	6	20	145	A notice on some issues in the execution of ladder electricity price policy for cement enterprise power consumption (green price)	NDRC	market-based instrument	347
2016	7	2	148	Energy conservation law of the people's Republic of China (revised)	NPC	law	348
2016	7	2	93	Environment impact assessment law of the People's Republic of China (revised) (environment impact assessment)	NPC	regulatory instrument	349
2016	8	3	334,336	National eco-industry demonstration park which were named at the approval of the ministry of environment protection (eco-industry demonstration park) Shanghai Shibeih high-new tech service industry park Jiangsu Wujin economic development zone Wujin national high-new tech industry development zone Nanjing Jiangning economic and technological development zone Changsha economic and technological development zone	MoEP	voluntary instrument	350
2016	10	27	262	Outline of national ecology protection in the 13th five-year plan (total amount control) In order to implement the outline of the 13th five-year plan of national economy and social development, to promote ecological civilization construction, by means of strengthening ecological supervision, perfecting system construction, ensuring the ecological space to be guaranteed and ecological quality and ecological function being gradually improved, and thus the nation ecological safety is ensured.	MoEP	regulatory instrument	351
2016	11	9	262	Outline of the 13th five-year S & T development plan of national environment protection (total amount control) This outline aimed at the implementation of the recommendations on speeding up ecological civilization construction and the outline of national innovation driven development strategy, and the improvement of	MoEP MoST	regulatory instrument	352

				environment S & T innovation ability.			
2016	11	10	156,291,330	<p>An implementation draft for permit system of control pollutant emission (total amount control)</p> <p>The draft made an overall deployment and systematic arrangement to perfecting the permit system of control pollutant emission and to implementing the pollutant emission permit system for enterprise and institution. To make this system into a core system for the management of fixed pollution source environment. It is in favor of an overall implementation of main body responsibility of pollution discharger, an effective control of pollutant emission, successively improving environment treatment ability and level and speeding up the improvement of ecological environment quality. The establishment of pollutant emission total amount control for enterprise and institution would promote the improvement of environment quality to a new level.</p>	SC	regulatory instrument	353

2016	12	23	353,337	<p>Temporary regulations on pollutant emission permit system (total amount control)</p> <p>Each region is responsible to detail the management procedure and requirement and formulate the details of the implementation of the local region. The pollutant emission permit system is an important measure for enterprise and institution to implement the requirement of total amount control. It is necessary to change the administration region total amount control from the top to bottom decomposition of total amount control index to a bottom to top one through reforming the pollutant emission permit system and thus return the responsibility of total amount control to the enterprise and institution, and thus to implement the legal responsibility in which the enterprise and institution are responsible for their emission action and the government is responsible for the environment quality of its administrative region. The permitted emission amount write Beijing-Tianjin-Hebei area in the pollutant emission permit is the ceiling of pollutant emission and the index of the total emission amount of the enterprise. Through which, the enterprise gets to know its own responsibility, the government gets to know the point of verification, and the masses grasp the basis of supervision. The sum of the permitted emission amount of all the pollutant emission units within a region is the fixed resource total amount control index. Total amount reduction plan means reducing the permitted total amount of emission. The differential amount between that of this year and that of last year is the actual annual change value of the pollutant emission unit.</p>	MoEP	regulatory instrument	354
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