Invitation Letter

CSPE Environmental Technology & Facility Committee

On June 28, 2019, the China Building Materials Federation （CBMF）organized an industry standard review meeting for the “Glass Industry Green Factory Evaluation Guidelines” in Beijing.Green and intelligent are the main directions for future development.Based on sufficient research and verification, the standard puts forward specific requirements for green glassmaking plant industry evaluation from multiple dimensions such as infrastructure, management system, energy resource input, product, environmental emissions and comprehensive performance;Meanwhile, the standard combines the characteristics of the glass industry, and puts forward the indicators, requirements & methods for comprehensive, advanced operability of environmental green development in terms of environmental emissions, comprehensive utilization of resources, and energy consumption.The standards have reached the international advanced level.In the follow-up work, the glass industry will accelerate the formulation of the “Glass Industry Green Factory Evaluation Requirements”, which will stipulate the specific scoring rules and terms, in accordance with the evaluation index system tipulated in the Guidelines, utilize the function of standards guide companies to develop green factories and evaluattion completely,guide glass industry enterprises to accelerate the green factories establishment, improve the overall green and low carbon development level,achieve high quality development.

On July 11, 2019, in order to do a good job in the "14th five-year" industrial energy-saving ideas, the department of energy and comprehensive utilization of the MIIT organized a survey on energy-saving work in the building materials industry, focusing on the flat glass industry, and researching the next step of energy-saving measures and work focus.

On July 12, 2018, in order to implement the PRC Environmental Protection and Air Pollution Prevention and Control Law,complete the national air pollutant emission standards and improve the air environment quality, the MEE organized the drafting of national environmental protection standard "Domestic Glass Industry Pollutant Emission Standards (Draft)" "Fiberglass and Related Products Industry Pollutant Emission Standards (Draft)".

On July 1, 2019, the MEE, NDRC, MIIT, and MOF issued the "Industrial Kiln Air Pollution Comprehensive Treatment Program" (Env Air [2019] No. 56) document, which requires the active promotion of flat glass industry pollution treatment upgrade and retrofit.Flat glass enterprises in key areas should eliminate the desox and denoxflue gas bypass gradually or set up backup desox and denox facilities,establish and improve the flat glass industry flue gas monitoring system.Strengthen building automatic monitoring system for key pollution sources. The elevated resources of exhaust vent height more than 45 meters is included in the key pollutant emission organizations list, urge the flat glass enterprises to install automatic monitoring facilities for flue gas emissions.Complete the air pollutant emission standards for domestic glass and glass fiber industries formulation before the end of June 2020.Accelerate the revision of the comprehensive air pollutants emission standards.Encourage local governments to revise local emission standards for relevant industries.Flat glass and fiberglass kiln should be equipped with high-efficiency dedusting facilities such as ESP, bag filter and electrostatic-fabric integrated precipitator,limestone gypsum desox and SCR facilities.Encourage fiberglass companies use oxygen-enriched combustion or oxy fuel combustion mode.Other domestic glass melting furnaces (except all-electric melting and all-oxygen burning furnaces) shall be equipped with SCR denox facilities;The melting furnace with coal, petroleum coke, heavy oil, etc. as fuel should be equipped with bag filter dust removal facilities,high-efficiency desox facilities such as limestone gypsum.Dedusting and desox facilities shall be equipped in natural gas-fired furnace of flue gas particulate matter and sulfur dioxide that cannot meet the standards.The state has put forward higher requirements for the prevention and control of air pollution in the glass industry.In conjunction with the current national environmental management requirements, the relevant state administrative departments have proposed the formulation of the "Glass Industry Air Pollutant Emission Standards".The new standard will cover all sub-sectors of the glass industry by integrating current emission standards such as flat glass and electronic glass.The new standard is aimed at the actual situation of the glass industry by formulating stationary and fugitive emission control requirements,refining environmental management requirements,it will help further promote the technological progress and sustainable development of the glass industry.Compared with flat glass, glass fiber and other industries, the domestic glass industry (contatiner glass, glassware, etc.) air pollution prevention and control work started late,flue gas treatment technology has become more mature after more than ten years exploration.To meet the needs of the new environmental management work, the "Technical Specifications for Domestic Glass Industry Flue Gas Treatment" was formulated.It will help accelerate the pace of structural adjustment of the domestic glass industry, eliminate outdated process equipment, achieve total control, strengthen technological innovation, and promote clean production,sustainable, stable and healthy development for the domestic glass industry,by standardizing the domestic glass industry flue gas treatment engineering design, construction and operation and maintenance.The comprehensive management system for air pollution in the glass industry will be improved,air pollutants are fully emitted meeting the standard, which will contribute to the continuous improvement of environmental air quality and the industry high-quality development,by regulating the flue gas treatment engineering of domestic glass industry design, construction and operation and maintenance.

On July 3, 2019, China Building Glass and Industrial Glass Association formulated and issued the “Implementation Plan for the Prevention and Control of Atmospheric Pollution in the Flat Glass Industry”.

On May 9, 2017, the Environmental Protection Department of Jiangsu Province issued a notice on the implementation of the deep reduction of nitrogen oxides in the non-power industry.The notice requires The NOx emission of the glass industry is not higher than 350mg/m3 before June 1, 2020. Slightly higher than the "flat glass industry air pollutant emission standards" (GB 26453-2011) special emission "modification" limit 400mg / m3.

On June 28, 2019, the Guangdong Provincial Department of Eco-Environment issued the document “Emission Standards for Air Pollutants in the Glass Industry” (DB 44/2159-2019). The standard was implemented on August 1, 2019,it is applicable to existing flat glass electronic glass manufacturing enterprises production facilities emission management of particulate matter, sulfur dioxide, and nitrogen oxides in atmospheric pollutants.Since July 1, 2020, the emission limits of three pollutants such as particulate matter, sulfur dioxide and nitrogen oxides specified in the new standard are 30mg/m3, 280mg/m3 and 550mg/m3, respectively.

On October 9, 2019, the Department of Ecological Environment of Hebei Province sought the ultra-low emission standard of air pollutants in the flat glass industry.

On June 24, 2020, the Ministry of Industry and Information Technology formulated the "Glass Fiber Industry Standard Requirement". In order to promote the industrial structure transformation and upgrading,lead the industry high-quality development. Encourage advanced kiln melting technology and heat preservation and energy saving technology utilization for the glass ball kiln production line.Encourage advanced technology and equipment such as split-drawing, large-volume packaging, and the intelligent centralized control system of raw material balls, sizing agent and furnace temperature for the glass fiber drawing production line with platinum crucible method.Encourage advanced technologies and equipment such as pure oxygen combustion, electric boosting, waste heat utilization, waste wire recycling, intelligent production and logistics for the glass fiber tank kiln method drawing production line.Enterprises should strictly abide by environmental protection laws and regulations, implement clean production, and be equipped with environmental protection facilities such as dust removal, desox, denox, waste water recycling, and waste silk recycling;The project should strictly implement the environmental impact assessment system and the "three simultaneous" system.Strengthen the control of fugitive emissions. The emission of air pollutants shall meet the requirements of national or local pollutant emission standards.

Based on the successful Asia Green Glassmakig Plant Summit 2018 and other power and non power series events concerning the air pollution control, to explore green glass making industry ‘s future development strategy, exchange the domestic and international latest and most environmental friendly glassmaking technology, share the successful experience of domestic and international enterprises in green glassmaking industry, hereby 2nd Asia Green Glassmaking Plant Summit 2021 will be scheduled on 13th Jan in Shanghai.We sincerely invite you taking the time to attend the "2nd Asia Green Glassmaking Plant Summit 2021 ", share with us your views and suggestions concerning the green glassmaking. We look forward to provide a platform for the entire glassmaking supply chain, promote the policy complement, business cooperation, networking the technology as well, make a contribution for the highly efficient ultra low emission glassmaking plants.

Oct 8th 2020