

REPORT

on the activities of the Ozone Center of Kyrgyzstan in October and November 2020

On September 29, 2020, a workshop on the recovery and recycling of refrigeration equipment refrigerants in the Kyrgyz Republic was held in Cholpon-Ata city. This workshop covered the following topics: Montreal Protocol on Substances that Deplete the Ozone Layer. Kigali Amendment and energy efficiency issues, HFC consumption reduction schedules; Refrigerant recovery and recycling methods; Tools and equipment for maintenance and repair of RAC; Safe handling of HCFC/HFC refrigerants and safe maintenance of RAC systems; Features and principles of operation of the vacuum pump and filling machine; Connection diagrams for refrigerant recovery and recycling machines; The economic effect of the refrigerants recovery and reuse; Retrofitting existing systems with alternative low-GWP refrigerants. Practical exercises were conducted on the recovery and recycling of refrigerants using a refrigerant recovery machine, during which clearly demonstrated the connection diagrams and features of refrigerant recovery. At the seminar, refrigerant recovery and recycling machines were distributed to organizations that service and repair RAC.





On October 1, 2020, a workshop on the implementation of best practices for servicing refrigeration equipment in the Kyrgyz Republic was held in Cholpon-Ata city for refrigeration technicians in the Issyk-Kul region. The seminar covered topics such as ozone layer protection, the government's HCFC phase-out program, the Kigali Amendment to the Montreal Protocol, the use of HFCs in various industries and alternatives to HFCs and modern refrigeration technologies using natural refrigerants, the minimum technical requirements for the skills of a refrigeration technician.



On November 3, 2020, a workshop on the implementation of best practices for servicing refrigeration equipment in the Kyrgyz Republic for refrigeration technicians in the city of Naryn was held in Naryn

city. At the seminar, it was told in detail about the Kigali Amendment to the Montreal Protocol, and what changes are expected in RAC sector, in connection with the phase down of HFC and the introduction of natural refrigerants. The participants learned about minimum requirements of the technical regulation for the skills and knowledge of applicants for obtaining a certificate and admission to work with refrigeration equipment. They learnt about alternative natural refrigerants, their safety, efficiency and best practice of use, leak detection and containment of alternative refrigerants were discussed in detail.





On November 11, 2020, a workshop on the recovery and recycling of refrigerant refrigerants in the Kyrgyz Republic was held in Bishkek. Topics covered at the workshop were: Global Climate Change and the Kigali Amendment to the Montreal Protocol; The system of certification of specialists and enterprises working with refrigeration equipment - basic rules and requirements; The methods for recovering refrigerants; Safe handling of HCFC/HFC refrigerants; Maintenance of vacuum pump, filling station and refrigerant recovery and recirculation machine; Cost-effectiveness of refrigerant recovery and reuse were discussed in detail;. During the practical session participants learnt how to use a refrigerant recovery and recovery machine. It was clearly shown how the equipment is connected to the cylinders and the system. At the seminar, refrigerant recovery and recovery machines were distributed to organizations that service and repair RAC systems.



Implementation of international standards for training specialists of RAC sector

On November 14, 2020, a seminar "International standards for the training of RAC technicians" was held in Bishkek. Representatives of universities, vocational schools and developers of education standards took part in the seminar. This seminar covered the following topics: Kigali Amendment to the Montreal Protocol on Substances that Deplete the Ozone Layer; Lower GWP HFC alternatives; The

minimum technical requirements for the skills and knowledge of applicants for obtaining a certificate; Certification System for specialists and enterprises working with refrigeration equipment and air conditioners; Refrigeration systems and heat pumps. Competence of personnel according to EN 13313-2011. Participants discussed the issue of updating educational programs on RAC taking into account modern market requirements and the features natural refrigerants, since natural refrigerants are toxic, explosive and require additional skills from refrigeration technicians.



