

Official Gazette, No. 43/2002-10-18

On the basis of Article 12 paragraph 1 of the Law on Air Quality Protection (Official Gazette No. 48/95), the Minister of Environmental Protection and Physical Planning enacted the

P R O G R A M M E
OF AIR QUALITY MEASUREMENT WITHIN THE NATIONAL NETWORK FOR
CONTINUOUS AIR QUALITY MONITORING

I

The Programme of Air Quality Measurement in stations of the National Network for Continuous Air Quality Monitoring, established by By-Law on Determining Sites of Stations in the National Network for Continuous Air Quality Monitoring (Official Gazette, No. 4/2002), contains/includes:

Programme A	AIR QUALITY MEASUREMENT IN MEASURING STATIONS FOR BACKGROUND POLLUTION, REGIONAL AND LONG-RANGE TRANSBOUNDARY TRANSPORT, AND FOR MONITORING PERFORMED WITHIN THE SCOPE OF INTERNATIONAL COMMITMENTS OF THE STATE
Programme B	AIR QUALITY MEASUREMENT IN MEASURING STATIONS IN NATIONAL PARKS, PARKS OF NATURE, PROTECTED AREAS, VULNERABLE ECOLOGICAL SYSTEMS AND CULTURAL AND NATURAL HERITAGE
Programme C	AIR QUALITY MEASUREMENT IN MEASURING STATIONS FOR AIR POLLUTION IN SETTLEMENTS AND INDUSTRIAL ZONE

II

For the purpose of this Programme:

- *measurement* shall mean a set of procedures used to determine/establish the value of air quality indicators and/or indirect air quality indicators;
- *air quality indicator* shall mean a measurable quantity of a chemical element and/or compound, or physical state and/or phenomenon causing air quality change;
- *indirect air quality indicator* shall mean a measurable quantity by which changes on plants, building works and in biological findings are observed and which indicate air pollution effects;
- *measurement frequency* shall mean the number of measurement results of the single air quality indicator and/or direct air quality indicator per time unit;
- *measurement period* shall mean the interval of time between two consecutive measurements.

III

PROGRAMME A

AIR QUALITY MEASUREMENT IN MEASURING STATIONS FOR BACKGROUND POLLUTION, REGIONAL AND LONG-RANGE TRANSBOUNDARY TRANSPORT, AND FOR MONITORING PERFORMED WITHIN THE SCOPE OF INTERNATIONAL COMMITMENTS OF THE STATE

DESINIĆ STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides expressed as NO ₂	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous
Suspended particles	PM10 and PM2,5 (mass and separation of chemical composition - heavy metals cadmium, lead and mercury)	24 hours	daily
	Elementary and organic carbon	24 hours	weekly
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁻ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous
	UV-B radiation	10 minutes	continuous

BILOGORA STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides expressed as NO ₂	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous
	Volatile organic compounds (ketones and aldehydes)	8 hours	twice a week
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁻ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

KAROJBA STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides expressed as NO ₂	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous
	Volatile organic compounds (ketones and aldehydes)	8 hours	twice a week
Suspended particles	PM10 and PM2,5 (mass and separation of chemical composition - heavy metals cadmium, lead and mercury)	24 hours	daily
	Elementary and organic carbon	24 hours	weekly
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁻ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily

Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
	Cadmium, lead and mercury	weekly	weekly
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous
	UV-B radiation	10 minutes	continuous

ZAVIŽAN STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides expressed as NO ₂	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
	Cadmium, lead and mercury	weekly	weekly
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous
	UV-B radiation	10 minutes	continuous

RAVNI KOTARI STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides expressed as NO ₂	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous
	Volatile organic compounds (ketones and aldehydes)	8 hours	twice a week
Suspended particles	PM10 and PM2,5 (mass and separation of chemical composition - heavy metals cadmium, lead and mercury)	24 hours	daily
	Elementary and organic carbon	24 hours	weekly
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁻ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

KOMIŽA STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides expressed as NO ₂	24 hours	daily
Suspended particles	PM10 and PM2,5 (mass and separation of chemical composition - heavy metals cadmium, lead and mercury)	24 hours	daily
	Elementary and organic carbon	24 hours	weekly
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁻ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

SRD STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides expressed as NO ₂	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous
	Volatile organic compounds (ketones and aldehydes)	8 hours	twice a week
Suspended particles	PM10 and PM2,5 (mass and separation of chemical composition - heavy metals cadmium, lead and mercury)	24 hours	daily
	Elementary and organic carbon	24 hours	weekly
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁻ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous
	UV-B radiation	10 minutes	continuous

Measurement of air quality indicators from Programme A is carried out and coordinated with the international cooperative programme for the monitoring and evaluation of long-range transboundary transport of air pollutants in Europe (EMEP) within the framework of the Convention on Long-Range Transboundary Air Pollution of 1979.

IV.

PROGRAMME B

AIR QUALITY MEASUREMENT IN MEASURING STATIONS IN NATIONAL PARKS, PARKS OF NATURE, PROTECTED AREAS, VULNERABLE ECOLOGICAL SYSTEMS AND CULTURAL AND NATURAL HERITAGE

DUGI OTOK STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides (expressed as NO ₂)	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous
Suspended particles	PM10 and PM2,5 (mass and separation of chemical composition - heavy metals cadmium, lead and mercury)	24 hours	daily
	Elementary and organic carbon	24 hours	weekly
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁺ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous
	UV-B radiation	10 minutes	continuous

NERETVA DELTA STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides (expressed as NO ₂)	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous

Suspended particles	PM10 and PM2,5 (mass and separation of chemical composition - heavy metals cadmium, lead and mercury)	24 hours	daily
	Elementary and organic carbon	24 hours	weekly
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁻ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
	Cadmium, lead and mercury	weekly	weekly
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

PLITVICE LAKES STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides (expressed as NO ₂)	24 hours	daily
Suspended particles	PM10 and PM2,5 (mass and separation of chemical composition - heavy metals cadmium, lead and mercury)	24 hours	daily
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁻ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

RISNJAK STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides (expressed as NO ₂)	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁺ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

KOPAČKI RIT STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	24 hours	daily
	Nitrogen oxides (expressed as NO ₂)	24 hours	daily
	Low layer ozone (O ₃)	10 minutes	continuous
Suspended particles	PM10 and PM2,5 (mass and separation of chemical composition - heavy metals cadmium, lead and mercury)	24 hours	daily
	Elementary and organic carbon	24 hours	weekly
Gaseous ingredients (gs) + suspended particles (sp) in the air	HNO ₃ (gs) ⁺ , NO ₃ ⁻ (sp), NH ₃ (gs) ⁺ , NH ₄ ⁺ (sp), SO ₄ ²⁻ , Cl ⁻ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
	Cadmium, lead and mercury	weekly	weekly
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

	UV-B radiation	10 minutes	continuous
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Measurement of air quality indicators from Programme B is carried out and coordinated with the international cooperative programme for the monitoring and evaluation of long-range transboundary transport of air pollutants in Europe (EMEP) within the framework of the Convention on Long-Range Transboundary Air Pollution of 1979.

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PROGRAMME C

AIR QUALITY MEASUREMENT IN MEASURING STATIONS FOR AIR POLLUTION IN SETTLEMENTS AND INDUSTRIAL ZONE

ZAGREB-1 STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	10 minutes	daily
	Nitrogen oxides expressed as NO ₂	10 minutes	daily
	Low layer ozone (O ₃)	10 minutes	continuous
	Carbon monoxide (CO)	10 minutes	continuous
	Non-methane/methane volatile organic compounds (benzene, toluene, ethylbenzene, o-m-,p-xylenes)	10 minutes	continuous
Suspended particles	Total suspended particles, PM10 and PM2,5	24 hours	daily
	Separation of chemical composition - polyaromatic hydrocarbons and heavy metals	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
	Cadmium, lead and mercury	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous
	UV-B radiation	10 minutes	continuous

ZAGREB-2 STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	10 minutes	daily
	Nitrogen oxides expressed as NO ₂	10 minutes	daily
	Carbon monoxide (CO)	10 minutes	continuous
Suspended particles	Total suspended particles and PM10	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

ZAGREB-3 STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	10 minutes	daily
	Nitrogen oxides expressed as NO ₂	10 minutes	daily
	Carbon monoxide (CO)	10 minutes	continuous
Suspended particles	Total suspended particles and PM10	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

RIJEKA-1 STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	10 minutes	daily
	Nitrogen oxides expressed as NO ₂	10 minutes	daily
	Low layer ozone (O ₃)	10 minutes	continuous
	Carbon monoxide (CO)	10 minutes	continuous

	Non-methane/methane volatile organic compounds (benzene, toluene, ethylbenzene, o-,m-,p-xylenes)	10 minutes	continuous
	Hydrogen sulfide	10 minutes	continuous
Suspended particles	Total suspended particles, PM10 and PM2,5	24 hours	daily
	Separation of chemical composition - polyaromatic hydrocarbons and heavy metals	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
	Cadmium, lead and mercury	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous
	UV-B radiation	10 minutes	continuous

RIJEKA-2 STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	10 minutes	daily
	Nitrogen oxides expressed as NO ₂	10 minutes	daily
	Carbon monoxide (CO)	10 minutes	continuous
Suspended particles	Total suspended particles and PM10	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

SISAK STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	10 minutes	daily
	Nitrogen oxides expressed as NO ₂	10 minutes	daily
	Carbon monoxide (CO)	10 minutes	continuous
	Non-methane/methane volatile organic compounds (benzene, toluene, ethylbenzene, o-,m-,p-xylenes)	10 minutes	continuous
	Hydrogen sulfide	10 minutes	continuous
Suspended particles	Total suspended particles and PM10	24 hours	daily
	Separation of chemical composition - polyaromatic hydrocarbons and heavy metals	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
	Cadmium, lead and mercury	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

KUTINA STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	10 minutes	daily
	Nitrogen oxides expressed as NO ₂	10 minutes	daily
	Carbon monoxide (CO)	10 minutes	continuous
	Hydrogen sulfide	10 minutes	continuous
	Ammonia	10 minutes	continuous
Suspended particles	Total suspended particles and PM10	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily

Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous
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KAŠTELA BAY STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	10 minutes	daily
	Nitrogen oxides expressed as NO ₂	10 minutes	daily
	Carbon monoxide (CO)	10 minutes	continuous
Suspended particles	Total suspended particles and PM10	24 hours	daily
	Separation of chemical composition - heavy metals	24 hours	daily
Precipitation	Precipitation quantity; SO ₄ ²⁻ , NO ₃ ⁻ , Cl ⁻ , pH, NH ₄ ⁺ , Na ⁺ , Mg ²⁺ , Ca ²⁺ , K ⁺ , conductivity	24 hours	daily
	Cadmium, lead and mercury	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

SPLIT STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO ₂)	10 minutes	daily
	Nitrogen oxides expressed as NO ₂	10 minutes	daily
	Low-layer ozone (O ₃)	10 minutes	continuous
	Carbon monoxide (CO)	10 minutes	continuous
	Non-methane/methane volatile organic compounds (benzene, toluene, ethylbenzene, o-,m-,p-xylenes)	10 minutes	continuous
	Hydrogen sulfide	10 minutes	continuous
Suspended particles	Total suspended particles, PM10 and PM2,5	24 hours	daily

	Separation of chemical composition - heavy metals	24 hours	daily
Precipitation	Precipitation quantity; SO_4^{2-} , NO_3^- , Cl^- , pH, NH_4^+ , Na^+ , Mg^{2+} , Ca^{2+} , K^+ , conductivity	24 hours	daily
Physical state	Cadmium, lead and mercury	24 hours	daily
	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous
	UV-B radiation	10 minutes	continuous

OSIJEK STATION

Medium - air	Air quality indicator	Measurement frequency	Measurement period
Gaseous ingredients	Sulphur dioxide (SO_2)	10 minutes	daily
	Nitrogen oxides expressed as NO_2	10 minutes	daily
	Carbon monoxide (CO)	10 minutes	continuous
	Non-methane/methane volatile organic compounds (benzene, toluene, ethylbenzene, o-,m-,p-xylenes)	10 minutes	continuous
Suspended particles	Total suspended particles, PM10 and PM2,5	24 hours	daily
	Separation of chemical composition - polyaromatic hydrocarbons and heavy metals	24 hours	daily
Precipitation	Precipitation quantity; SO_4^{2-} , NO_3^- , Cl^- , pH, NH_4^+ , Na^+ , Mg^{2+} , Ca^{2+} , K^+ , conductivity	24 hours	daily
	Cadmium, lead and mercury	24 hours	daily
Physical state	Wind direction and speed, air temperature, relative air humidity, precipitation quantity and type	10 minutes	continuous

Measurement of air quality indicators from Programme C is carried out and coordinated with EU Guidelines and Directives.

VI

In the air quality measurement stations referred to in Programme A, B and C of this Programme, also indirect air quality indicators may be measured, depending on the characteristics of the existing and/or potential air pollution indicators.

VII

This Programme becomes effective on the eighth day following its publication in the Official Gazette.

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Zagreb, 15 April 2002

Božo Kovačević
Minister

PROVISIONAL TRANSLATION