

Enhanced environmental protection inspection for efficient control of air quality monitoring and of all entities under obligation within system of greenhouse gas emission allowance trading, in order to achieve better quality of air in Republic of Croatia



MINISTARSTVO ZAŠTITE Okoliša i energetike







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Energy research and Environmental Protection Institute



11. INSPECTION MONITORING

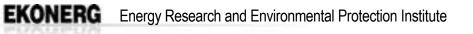
11.2 INSPECTION MONITORING OF POLLUTERS

	Air Protection Act, Articles	
Legal basis	31, 32, 46 – legal basis for monitoring	
	52, 54, 55 – method of monitoring, permit for AQM	
	129, 131, 133, 134, 137, 139 – inspection monitoring	
	145,146 – misdemeanour provisions	
Monitored person	Legal person polluter	
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11.2 INSPECTION MONITORING OF POLLUTERS

	Ordinance on the Air Quality Monitoring , Articles
	11 to 15 – method of monitoring, data quality
Regulations	21, 22 – reporting, annual report
	Regulation on the Pollutant Levels in Air , Articles
	5, 7, 8, 13 – interpretation of annual report
Monitored person	Legal person polluter

INZRA



11.2 INSPECTION MONITORING OF POLLUTERS

Other documents	 Decision on environmental impact assessment Decision on environmental acceptability of the project Decision on integrated environmental protection requirements Decision on environmental permit 	
Monitored person	Legal person polluter	



A. Preparation of inspection monitoring - steps

In order for inspector to obtain information on <u>legal basis</u>, due to which the polluter is obliged to carry out the AQM, it is required to ask the monitored polluter for the Decision on environmental acceptability of the project or Decision on integrated environmental protection requirements, i.e. the environmental permit (Cl. 32 APA) or Action Plan (Cl. 46 APA) in which the latter is obligated to implement prescribed measures or Decision on carrying out the monitoring of special purpose (Cl. 33 APA). These documents can provide information on prescribed <u>monitoring programme</u> and monitoring time schedule.



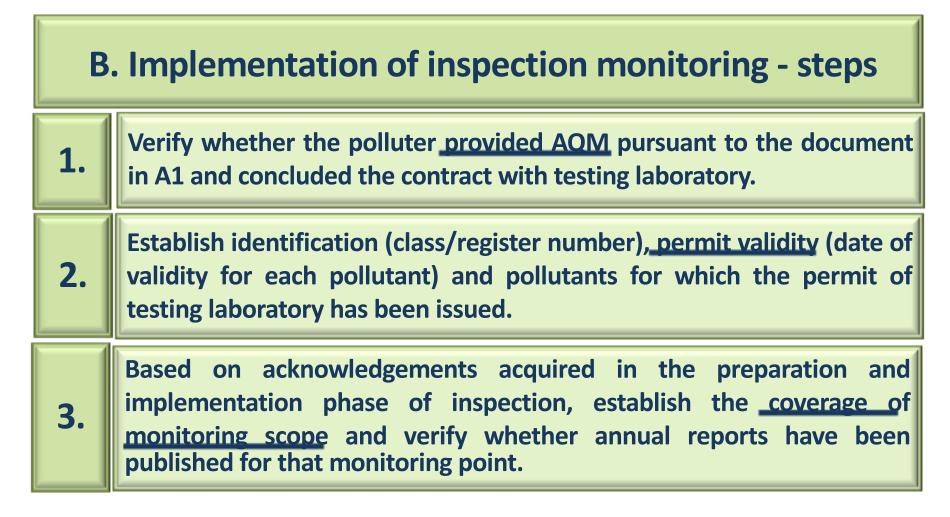
A. Preparation of inspection monitoring - steps

It is required to ask the monitored polluter for the copy of all recent <u>annual reports</u> on AQM which they are obliged to prepare.

Ask of monitored polluter for the <u>Contract</u> concluded with testing laboratory engaged for carrying out the air quality monitoring. Ask for Decision on <u>issuing the permit</u> for air quality monitoring (permit) issued by MEE (Cl. 54 and 55 APA). Verify whether the <u>permit is valid</u> for monitoring all pollutants, including those for which the permit is issued for one year (based on opinion of reference laboratories). Compare the permit with monitoring scope from the documents in A1. (Monitoring scopes shall be fully covered by the permit).



2.



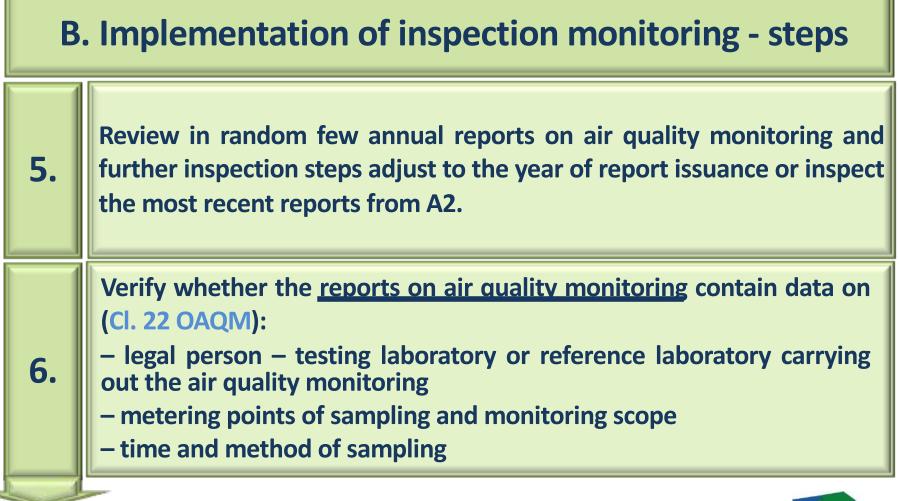


B. Implementation of inspection monitoring - steps



Verify whether a <u>continuous data transfer</u> is provided for pollutants which concentration in air is established by monitoring instruments for automatic monitoring by computer network into the air quality information system managed by the Agency (Cl. 21 OAQM) <u>http://iszz.azo.hr/iskzl/</u>







B. Implementation of inspection monitoring - steps

- used monitoring methods and equipment
- data quality assurance according to the requirements of complied standard for testing and calibration laboratories
- other data in the field of quality assurance, such as continuity assurance, participation in comparative monitoring, deviations from prescribed methodology and reasons
- on the level of air pollution and dates and periods of air pollution exceeding the limit values, target values and long-term objectives for ground-level ozone
- on exceeding the informing threshold and warning thresholds, as well as on dates and periods



B. Implementation of inspection monitoring - steps

– on calculated statistic parameters of air pollution for pollutants according to the criteria set forth in Appendix 8 of OAQM – arithmetic mean, median, relevant percentile and maximum value, data volume – percentage of total potential number of data and number of data, for the relevant averaging times

- on average annual value of ozone precursors, policyclic aromatic hydrocarbons and chemical composition in fly particles PM_{2,5}
- on the level of air pollution in relation to the upper and lower assessment threshold
- on criteria applied during evaluation of air pollution
- on reasons of exceeding the limit value, target value and long-term objective for ground-level ozone.

B. Implementation of inspection monitoring - steps

Verify whether the polluter submitted the original and validated data on air quality monitoring and report on pollution levels and evaluation of air quality to the competent administrative body of the County, City of Zagreb and city until <u>31 March</u> of current year for the previous calendar year (Cl. 32 APA).



C. Conducting after performed inspection monitoring steps

If polluter <u>completely ignored</u> its obligations according to the document in A1, inspector shall order the measures for removing the irregularities with a deadline (<u>Cl. 131 and Cl. 137 APA</u>) and shall initiate the misdemeanour proceeding pursuant to Article 145 APA.



C. Conducting after performed inspection monitoring steps

If it is established in step B1 that polluter <u>did not provide</u> AQM according to the document in A1 and <u>did not conclude any contract</u> on AQM with appropriate testing laboratory, inspector shall point to irregularities and shall determine the <u>deadline of their remedy (Cl.</u> 131 and Cl. 137 APA), a deadline depends on the phase of AQM provision in which the polluter stands (refer to Table 1).



C. Conducting after performed inspection monitoring - steps		
3.	If in steps B2 and B3 (incomplete coverage of permit) B4 (continuous data transfer in CENA) B5 and B6 (report and content of report) B7 (deadlines of report submission) there are irregularities discovered, inspector shall point to irregularities and shall determine the deadline of their remedy , as well as <u>enter into the minutes</u> (Cl. 131 APA). The deadline depends on a type of irregularity (refer to Table 1).	



C. Conducting after performed inspection monitoring steps

If polluter does not remedy the irregularities within the deadline defined in the minutes in C3, inspector shall order the measures for remedying the irregularities with a deadline (Cl. 131 APA). If polluter does not act according to the inspector's decision, it shall be forced to the performance by cash penalty (Cl. 137 APA) and shall initiate the misdemeanour proceeding pursuant to Article145 APA.



Deadlines for irregularities remedy

For the purpose of orientation, Table 1 indicates realistic deadlines for irregularities remedy discovered in C1 to C7.



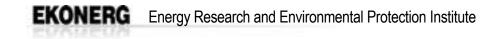


Table 1Realistic deadlines for irregularitiesremedy

No.	Description of irregularity	Realistic deadline for remedy
B1	Polluter did not provide an equipment for AQM	8-12 months
B1	Polluter did not provide an equipment for AQM but it is in the phase of purchase	Depending on the phase of purchase. If the purchase just initiated, then 8-12 months. If the purchase is close to the delivery date, then 30 days
B1	Polluter provided an equipment for AQM but not the laboratory	30 days if such laboratory is available
B1	Polluter did not provide an equipment for AQM but it looks for the laboratory which will carry out the monitoring with its own equipment	30 days if such laboratory exists and is available, which is rare



Table 1Realistic deadlines for irregularitiesremedy

No.	Description of irregularity	Realistic deadline for remedy
B2/3	Polluter did not provide the laboratory with permit or permit for all pollutants, but has its own equipment	30 days
B4	No continuous data transfer is provided into the air quality information system managed by the Agency	15 days if information equipment is appropriate



Table 1Realistic deadlines for irregularitiesremedy

No.	Description of irregularity	Realistic deadline for remedy
B6	Annual report on AQM is not prepared according to the regulations	1-5 days
B7	Annual report on AQM is not submitted according to the regulations	5 days is sufficient to prepare a report if it does not concern a large network



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THANK YOU FOR YOUR ATTENTION

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