# Air Quality Management Planning Tool

## *Chapter 1: Air Quality Management Course Overview*

1. What adverse health impacts are you seeing that may be attributable to poor air quality?

2. What data might be available to help understand these effects?

3. Where might you go to look for additional data or information?

4. How do you see the relationship between environmental protection and economic development?

5. Identify the role of these stakeholders in understanding and communicating about the health effects of air quality:

Public:

Academia:

NGO's:

## *Chapter 2: Laws and Regulations*

6. Are there existing laws, regulations, ordinances or other mechanisms that may have an impact on air quality management planning or control programs in your area? If so, please describe them here.

7. What is the relationship between local ordinances and the Air Quality Act? How do you resolve conflicts between the two?

## *Chapter 2: Laws and Regulations (continued)*

8. What resources do you have in place currently to support air quality management planning? Include budgets, human resources, technical equipment, and interested stakeholders.

9. Identify the role of these stakeholders in developing laws and regulations:

Public:

Academia:

NGO's:

## *Chapter 3: Sources of Air Pollution*

10. Identify all the possible sources of air pollution in your area. If you know the pollutants they emit, please list these pollutants.

11. Of these sources, which do you view as being priority sources and why?

12. Identify the role of these stakeholders in identifying and understanding the sources of air pollution emissions:

Public:

Academia:

NGO's:

## *Chapter 4: Emission Inventories*

13. Do you have an emission inventory for your area?

14. Is it currently up-to-date?

15. What are potential sources of data to develop an emission inventory?

## *Chapter 4: Emission Inventories (continued)*

16. If so, do you have a regular policy or schedule for updating or enhancing your emission inventory? If so, please describe it here.

17. If you do not have an existing emission inventory, please answer the following questions:

a. What level of emission inventory makes sense for your area?

b. What resources would you need to develop an emission inventory?

c. What are the first three steps you need to take to implement the development of an emission inventory when you return to work?

18. What are the roles and responsibilities of the different levels of government in the development of emission inventories?

19. Identify the role of these stakeholders in developing an emissions inventory:

Public:

Academia:

NGO's:

20. Are you or others in your area currently monitoring local air quality?

21. If so, for what pollutants are you monitoring? Why?

22. If you have monitored, how do you use the data?

23. What resources do you expend in support of air quality monitoring? If you are not monitoring, what resources might be needed?

24. If you do not currently monitor, identify the factors to consider when deciding whether or not to implement a monitoring program?

25. Based on these factors, would you recommend air quality monitoring for your area? Why or why not?

26. If you recommend monitoring, what are the first three steps you will need to take to implement a monitoring program in your area?

27. What are the roles and responsibilities of the different levels of government in an air quality monitoring program?

## *Chapter 5: Ambient and Source Air Quality Monitoring (continued)*

28. Identify the role of these stakeholders in deciding whether or not to monitor and developing recommendations for a monitoring plan:

Public:

Academia:

NGO's:

## *Chapter 6: Air Pollution Modeling*

29. List some situations for which you think air pollution modeling might be needed.

30. Consider one of the sources of air pollution that you identified in question 10. What type and level of modeling would be appropriate for the source? What data are available in order to model the emissions from this source (e.g., stack parameters, emission rates, topography of surrounding area, meteorological data)?

31. If the modeling input data are not already available, what are some reasons that you can utilize in order to obtain the data?

## *Chapter 7: Data Analysis and Interpretation and Public Access*

32. What pollutants should be reported and how?

33. If you currently have/receive data, how are you using it?

## *Chapter 7: Data Analysis and Interpretation and Public Access (continued)*

34. How can data be presented in ways that would be useful to stakeholders?

35. What are the roles and responsibilities of the different levels of government in data analysis and public access to information?

36. Do you currently make data available to the public? If so, in what form and how do you make it available? If not, what are some strategies for providing public access to the information?

## *Chapter 8: Public Participation and Environmental Justice*

37. What is your agency's policy on public involvement?

38. Was the public involved in developing the policy?

39. Does it need to be strengthened? If so, what are the next opportunities for your agency to build in additional provisions or policies that address public involvement?

40. What are the next opportunities for civic groups, academia and others to collaborate with government to strengthen public involvement or to increase their capacity for meaningful involvement?

## *Chapter 8: Public Participation and Environmental Justice (continued)*

41. Does your agency have an action plan for public involvement? If so, does it need to be revised to increase its likelihood of success? What are the next steps?

42. What is your agency's policy on environmental justice? Were environmental justice communities involved in developing the policy? Does it need to be strengthened?

43. Does your agency have an action plan for environmental justice? If so, describe what actions the agency will take to move towards environmental justice. If not, what are the next steps you will take to move the agency to develop an environmental justice action plan?

## *Chapter 9: Control Strategy Planning and Development*

44. What control strategies are already in place in your area?

45. Who makes the decisions in your area about control strategies?

## *Chapter 9: Control Strategy Planning and Development (continued)*

46. What are the roles and responsibilities of the different levels of government in developing control strategies and conducting compliance and enforcement activities?

47. Consider one of the sources of air pollution in your area that you identified in question number 10.

a. What are the priority pollutants of concern from the source?

b. What are some control measures that could be applied to the source?

c. How would the control measures be implemented?

d. What steps would you take to facilitate stakeholder involvement?

e. What measures would you take to enforce the control strategies?