

AiXplain EPA Drinking Water Monitoring Guidance

ChatBot and Email Response System.



The ChatBot for the EPA Guidance and Regulation regarding alternative monitoring, formerly referred to as Permanent Monitoring Relief (PMR), are being issued pursuant to section 1418(b) of the Safe Drinking Water Act. (SDWA)


The AI System, chatbot uses RAG method to extract information from EPA documentation.


There are two methods to obtain information:

1. Try and test - if using AiXpalin platform an agents are created to test and use. Here is a link [Agent | Agent](#). You need to log into AiXplain system with your login credentials.
2. Try and use - Email system, by sending an email to roman.nemet@thedigitalloom.com with subject: AixPlain Query and in body you type your request directly the system will email back relevant information back to you.

1 – ScreenShots


 TeamAgent-20251024-131907-bbd00f 

 What information can you provide

 **Information on Water Supply and Monitoring**

The United States Environmental Protection Agency (EPA) provides guidelines and policies regarding water supply and monitoring under the Safe Drinking Water Act (SDWA). Key points include:

1.
Water Supply Guidance: Public water systems are responsible for complying with the SDWA and ensuring safe drinking water. The primacy agent must follow up on non-compliance incidents and provide enforcement if necessary.
2.
Alternative Monitoring Guidelines: States can propose alternative monitoring requirements for chemical contaminants if they have an approved source water assessment program. This includes provisions for monitoring waivers, surrogate sampling, and reduced nitrate sampling.
3.
Compliance and Enforcement: The EPA emphasizes the importance of timely responses to violations that have acute health significance and the need for public water systems to maintain compliance with monitoring and reporting requirements.
- 4.

Message... 

2 – this screen shows new email created

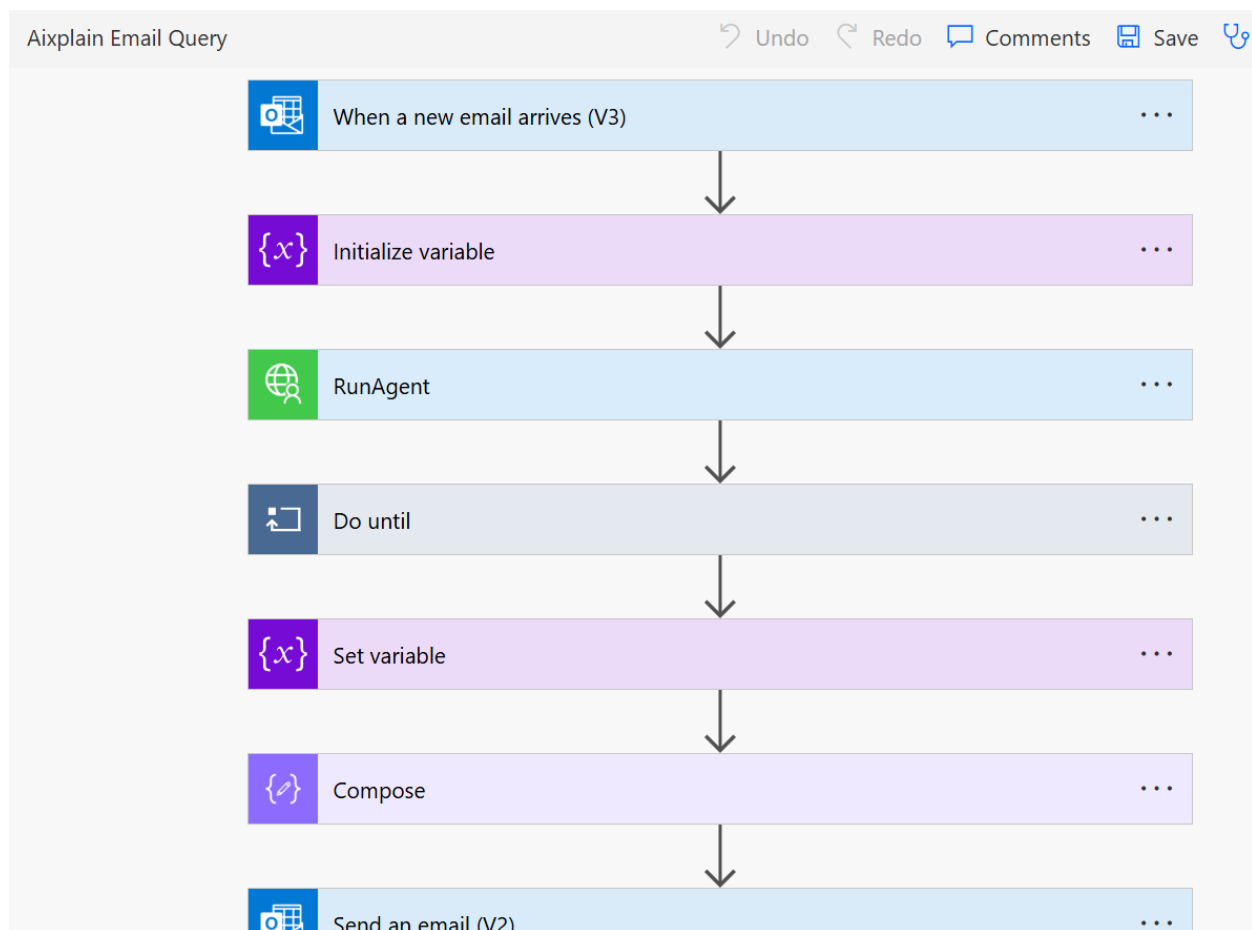


This shows email response using Azure Power Automate workflow



Power Automate Workflow Details.

Workflow



Step 1 Trigger Email received in outlook

Aixplain Email Query

Undo Redo Comments Save Flc

Inbox

To

Roman.Nemet@thedigitalloom.com X

CC

CC recipient email addresses separated by semicolons (If any match, the trigger will run).

To or CC

To or CC recipient email addresses separated by semicolons (If any match, the trigger wi...

From

Sender email addresses separated by semicolons (If any match, the trigger will run).

Include Attachments

No

Subject Filter

AixPlain Query

Importance

A...

Step 2 Set Variable "Response" to store Agent response

↓

{x} Initialize variable ...

* Name

Response

* Type

String

Value


Enter initial value

↓

Step 3 Run Agent

Through Team Agent API Key passing payload to the agent


+

 RunAgent

* agentId

68fbb50d56dba95043015711

query

 Body Preview x


sessionId


sessionId

+


Step 4 Wait till response arrives

↓

 Do until


 completed x

is equal to


 true x

[Edit in advanced mode](#)

[Change limits](#) v

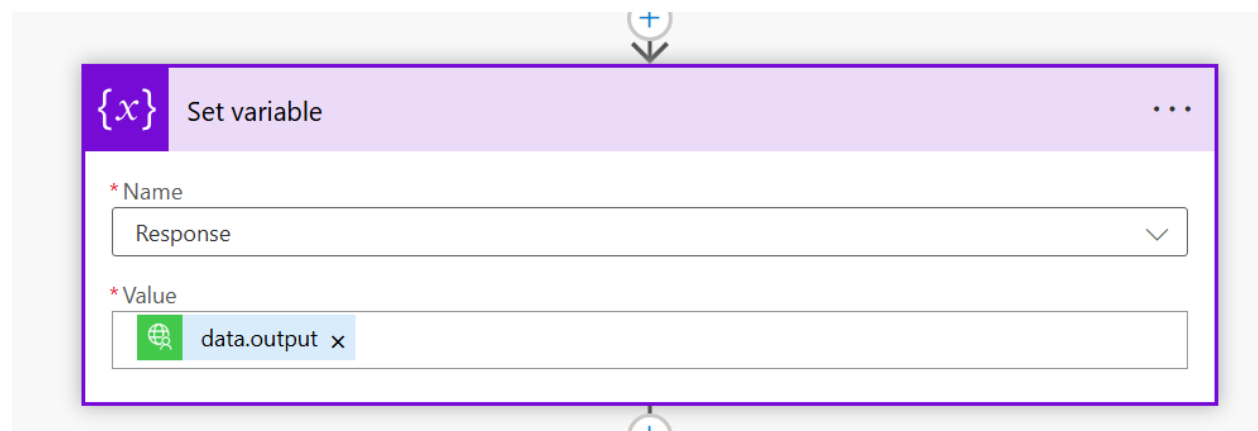
 GetAgentResult

* requestId

 requestId x

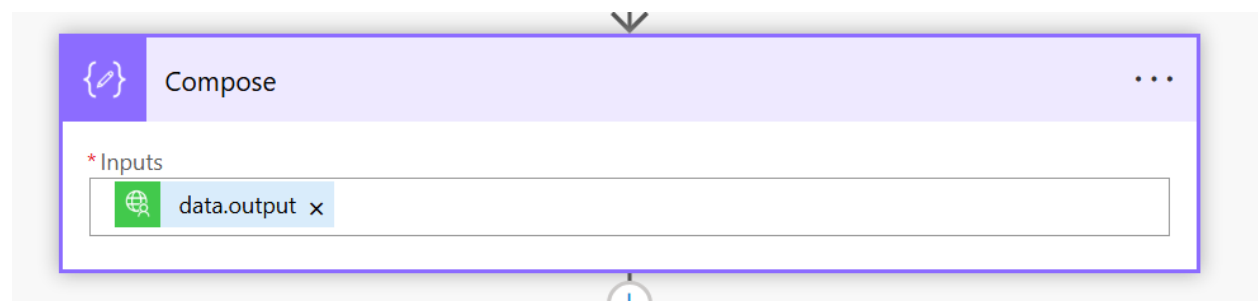
Add an action

Step 5 Set Variable with output from agent



The screenshot shows a workflow editor with a 'Set variable' action. The action is represented by a purple box with a variable icon {x} on the left and a three-dot menu on the right. Inside the box, there are two fields: '* Name' with a dropdown menu showing 'Response' and a downward arrow, and '* Value' with a text input field containing 'data.output' followed by a small 'x' icon. Above the box is a connector with a plus sign and a downward arrow, and below it is a connector with a plus sign and an upward arrow.

Step 6 Prepare for email body response



The screenshot shows a workflow editor with a 'Compose' action. The action is represented by a purple box with a code icon { } on the left and a three-dot menu on the right. Inside the box, there is one field: '* Inputs' with a text input field containing 'data.output' followed by a small 'x' icon. Above the box is a connector with a downward arrow, and below it is a connector with a plus sign and an upward arrow.

Step 7 Email out



Send an email (V2)



* To

From x

* Subject

Subject x

* Body

Font ▼ 12 ▼ **B** *I* U

data.output x

Thanks,
Roman

Sensitivity

Sensitivity

Show advanced options