

Gas Network Technician interview questions

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What to expect

Interviews for Gas Network Technician roles typically combine technical and safety-focused questions with behavioural scenarios. Employers want to see practical skills, calmness under pressure and a commitment to regulatory compliance.

- **Technical knowledge:** Questions about gas principles, leak detection methods, pipe joining and equipment operation.
- **Safety and compliance:** How you follow procedures, handle emergencies and comply with AS/NZS 4645 and state regulations.
- **Scenario / judgement:** What you would do in a gas escape, a pressure fault or an unplanned outage.
- **Behavioural:** Past examples of teamwork, reliability, shift work and problem solving.
- **Process:** Walk-throughs of tasks such as commissioning a regulator or locating an underground service.

The interview usually starts with a brief phone screen, then a face-to-face or panel interview with a supervisor and a safety officer. You may be asked to complete a practical assessment or a written test on gas regulations. Expect questions about your experience with specific equipment and your availability for shifts and on-call work.

1. Walk me through the steps you take to commission a new gas pressure regulator.

Why they ask

This tests your technical process knowledge and your ability to follow a safe, methodical sequence.

How to structure your answer

Start with pre-checks and isolation, then describe installation, testing, adjustment and documentation. Use a logical order and mention safety controls at each stage.

Example answer

"First, I isolate the section and confirm zero pressure. I check the regulator specifications against the network requirements and inspect the unit for damage. I install it using correct fittings and torque settings. Then I slowly introduce gas and check for leaks with detection fluid. I set the outlet pressure to the specified value using a calibrated gauge, lock the adjustment and record the settings. Finally I complete the commissioning tag and update the asset record in IBM Maximo."

2. You arrive at a reported gas escape near a school. What do you do?

Why they ask

This assesses your judgement under pressure and your ability to prioritise public safety.

How to structure your answer

Prioritise safety, follow emergency procedures, communicate with control and emergency services, then act to isolate and repair. Explain your reasoning at each step.

Example answer

"I would park upwind, put on my PPE and approach cautiously with a gas detector. I would assess the area and if gas is present, I would evacuate the immediate vicinity and call emergency services and my control room. I would locate the isolation valve and shut off the gas supply if it is safe to do so. I would then monitor the area until the leak is confirmed and repaired, and I would document everything"

for the incident report.”

3. Tell me about a time you had to work under pressure to resolve a gas leak.

Why they ask

This looks for a real example of your ability to stay calm and efficient in an emergency.

How to structure your answer

Use STAR: describe the situation, the task, the action you took and the result. Focus on your specific actions and the outcome.

Example answer

“Situation: A gas main was struck by a contractor on a busy road. Task: I needed to isolate the leak quickly to protect nearby homes. Action: I arrived on site, set up a safety perimeter, coordinated with police and fire, and located the nearest isolation valve. I shut off supply and monitored the area while a repair crew was called. Result: The leak was isolated within 30 minutes and no one was injured. The repair was completed the same day and I documented the incident for the regulator.”

4. How do you ensure you comply with AS/NZS 4645 and state gas regulations in your daily work?

Why they ask

Compliance is critical in this role. The interviewer wants to see that you know the standards and apply them consistently.

How to structure your answer

Explain your understanding of the standard, then give examples of how you apply it in tasks like leak testing, pressure testing and documentation.

Example answer

“I keep a copy of AS/NZS 4645 in my vehicle and refer to it for any task. Before I start work, I check that my procedures match the standard and the state regulator's requirements. For example, when pressure testing a new main, I follow the testing durations and acceptance criteria exactly. I also ensure all fittings and materials are approved and that I record the test results accurately. If I am unsure, I consult my supervisor or the regulator's guidance notes.”

5. Describe how you locate an underground gas service using plans and locating equipment.

Why they ask

This tests your practical skills with drawings, ArcGIS and locating instruments.

How to structure your answer

Step-by-step: review plans, use ArcGIS, then use a locator, mark the ground and confirm by hand digging.

Example answer

“First, I review the network drawings on ArcGIS to identify the likely path of the service. Then I use a pipe and cable locator to trace the line, adjusting the frequency if needed. I mark the ground with paint or flags. I confirm the location by carefully hand digging a small hole to expose the service. I always follow safe digging practices and check for other utilities before I start any excavation.”

6. A customer is angry because their gas supply is cut off for repairs. How do you handle it?

Why they ask

This reveals your client-facing skills and empathy, which matter when you are on the front line.

How to structure your answer

Acknowledge their frustration, explain the reason clearly, give a realistic timeline, and show empathy. Avoid defensiveness.

Example answer

"I would listen to their concerns without interrupting. I would explain that we are repairing a leak to keep them and their neighbours safe, and that the work is necessary. I would give them an estimated time for restoration, based on what the crew has told me. I would apologise for the inconvenience and thank them for their patience. If they need extra help, such as for medical equipment, I would escalate to my supervisor immediately."