



Technical Manager Qualification Form



Name: _____ Date: _____

Position/Title: _____

Laboratory Name: _____

TCEQ Laboratory Certificate Number: _____

Technical manager qualifications are based on one of the following general categories:

- education and experience;
- previous recognition; or
- exceptions.

Most categories contain more than one option. Please review the options and criteria in each category on the following pages. To qualify for technical manager recognition, the candidate must meet all criteria under one of the options within a category (e.g., education and experience, previous recognition, or exceptions).

Information on all laboratory personnel and their qualifications (education and laboratory experience) must be on file in the laboratory and made available to assessor(s) for review upon request. Please submit the completed form for each designated technical manager candidate to the TCEQ. Additionally, please submit a resume and college transcripts (official or unofficial copies are acceptable). If the candidate wanting to be recognized as a Technical Manager obtained a college education abroad, then academic equivalency documentation must also be submitted to the TCEQ.

Technical Manager Qualifications Based on Education & Experience

(2016 TNI Standard V1M2-5.2.6.1.a - e)

Chemical analyses testing (TNI V1M2-5.2.6.1.a):

I request technical manager recognition for chemical analyses based on my education and experience, which meet all requirements in one of the following options.

Option 1:

- I have a bachelor's degree in the chemical, environmental, biological sciences, physical sciences or engineering;
- My coursework included at least twenty-four (24) college semester credit hours in chemistry; and
- I have at least two years of experience in the environmental analysis of representative inorganic and organic analytes for which the laboratory seeks or maintains accreditation.

Option 2:

- I have a masters or doctoral degree in the chemical, environmental, biological sciences, physical sciences or engineering;
- My coursework included at least twenty-four (24) college semester credit hours in chemistry; and
- I have at least one (1) year of experience in the environmental analysis of inorganic and organic analytes for which the laboratory seeks or maintains accreditation.

Inorganic chemical analyses other than metals testing (TNI V1M2-5.2.6.1.b):

I request technical manager recognition for inorganic (non-metals) analytical testing based on my education and experience, which meet all requirements below.

- I have an associate's degree in the chemical, physical or environmental sciences or two (2) years of equivalent successful college education;
- My coursework included at least sixteen (16) college semester credit hours in chemistry; and
- I have at least two (2) years of experience in the environmental analysis of inorganic (non-metals) analytes.

Microbiological or biological laboratory analyses testing (includes Whole Effluent Toxicity (W.E.T.)) (TNI V1M2-5.2.6.1.c, first paragraph):

I request technical manager recognition for microbiological or biological analyses based on my education and experience, which meet all requirements in one of the following options.

Option 1:

- I have a bachelor's degree in the microbiology, biology, chemistry, environmental sciences, physical sciences or engineering;
- My coursework included at least sixteen (16) college semester credit hours in general microbiology and biology; and
- I have at least two (2) years of experience in the environmental analysis of representative analytes for which the laboratory seeks or maintains accreditation.

Option 2:

- I have a masters or doctoral degree in the microbiology, biology, chemistry, environmental sciences, physical sciences or engineering;
- My coursework included at least sixteen (16) college semester credit hours in general microbiology and biology; and
- I have at least one (1) year of experience in the environmental analysis of representative analytes for which the laboratory seeks or maintains accreditation.

Microbiological or biological laboratory analyses limited to fecal coliform, total coliform, *E. coli*, and standard plate count testing (TNI V1M2-5.2.6.1.c, second paragraph):

My laboratory's scope is limited to fecal coliform, total coliform, *E.coli*, and standard plate count. I request technical manager recognition for the limited scope of testing based on my education and experience, which meet all requirements below.

- I have an associate's degree in an appropriate field of the sciences or applied sciences, or have two (2) years of equivalent successful college education;
- My coursework included at least four (4) college semester credit hours in general microbiology; and
- I have at least one (1) year of experience in microbiological analysis.

Radiological analyses testing (TNI V1M2-5.2.6.1.d):

I request technical manager recognition for radiological analytical testing based on my education and experience, which meet all requirements in one of the following options.

Option 1:

- I have a bachelor's degree in chemistry, environmental, biological sciences, physical sciences, or engineering;
- My coursework included at least twenty-four (24) college semester credit hours in chemistry; and
- I have at least two (2) years of experience in the environmental analysis of radiological environmental samples.

Option 2:

- I have a master's or doctoral degree in chemistry, environmental, biological sciences, physical sciences, or engineering;
- My coursework included at least 24 college semester hours in chemistry; and
- I have at least one (1) year of experience in the environmental analysis of radiological environmental samples.

Microscopic examination of asbestos and/or airborne fibers (TNI V1M2-5.2.6.1.e.i):

Transmission Electron Microscope (TEM): I request technical manager recognition for transmission electron microscope analytical testing based the following requirements, which meet all of the criteria in the following option:

- I have a bachelor's degree;
- My coursework included use of the TEM instrument; and
- I have at least one (1) year of experience, under supervision, in the use of the instrument, which includes identification of minerals.

Technical Manager Qualifications Based on Exceptions (2016 TNI Standard V1M2-5.2.6.2.a & b)

The exceptions apply only to a laboratory in a water treatment facility, a sewage treatment facility, or an industrial waste treatment facility. The facility's laboratory analyzes water treatment/sewage treatment/industrial treatment samples collected within the state where the laboratory is situated.

I request technical manager recognition based on the exceptions for professional certificate or type of laboratory, because I meet the following criteria:

Option 1:

- I am a full-time employee of a drinking water or sewage treatment facility.
- I hold a valid operator's certificate equivalent (i.e., Class C or higher) to the nature and size of the facility.

License #: _____

- I have two (2) years analytical testing experience devoted to the testing of environmental samples specified in the scope of the facility's regulatory permit.

Option 2:

- I am a full-time employee of an industrial waste treatment facility.
- I hold a valid operator's certificate equivalent (i.e., Class C or higher) to the nature and size of the facility.

License #: _____

- I have two (2) years analytical testing experience devoted to testing of samples specified in the scope of the facility's regulatory permit.

Technical Manager Qualifications Based on Exceptions/Previously Recognized (2016 TNI Standard V1M2-5.2.6.2.c)

I request technical manager recognition based on my experience, which meets the criteria.

Option 1:

- I am currently the individual designated as being responsible for the testing areas indicated (choose at least one):
 - Inorganic chemical analysis
 - Organic chemical analysis
 - Metal analysis
 - Microbiology/W.E.T.
 - Radiochemistry
 - Asbestos

- I have held this position for the previous twelve (12) months.

- I have held the position of technical manager of the laboratory on the date the laboratory applied for accreditation and/or became subject to accreditation under the standard, and have been a technical manager in the laboratory continuously for the previous twelve (12) months.

Option 2:

- Eligibility as technical manager was established under these conditions for the same fields of accreditation in another accredited laboratory. Please provide the previous laboratory name: _____, technical manager designations held: _____, and dates of recognition_____.

Option 3:

- In my previous technical manager position, I received recognition status as technical manager from _____, a NELAP-recognized state accreditation body (AB), for the testing area(s) selected below:
 - Inorganic chemical analysis
 - Organic chemical analysis
 - Metal analysis
 - Microbiology/W.E.T.
 - Radiochemistry
 - Asbestos

(Note: If previously recognized from outside the state of Texas, please provide previous recognition letter or approval notice.)