
POSITION DESCRIPTION FORM (PDF)

Part-time Support Staff

Instructions for Completing the PDF:

- This 'smart' form template is to be completed & submitted electronically to the HR Consultant.
- Complete each section as accurately and *succinctly* as you can in the space provided. If you have questions, contact your respective HR Consultant for assistance.

Depending on the duration of the work assignment, you will be required to complete the Cover Page and Part 1 only **or** Parts 1 & 2 **or** Parts 1, 2 and 3.

CPT/TPT Tier I - Cover Page and Part 1 only

- Casual/temporary part-time support staff work that is temporary/transitory only and will not exceed a duration of one academic semester (4 months).

CPT/TPT Tier II - Cover Page and Parts 1 & 2 only

- Casual/temporary part-time support staff work that is term certain but that will be for a duration of more than one academic semester up to two academic semesters (more than 4 months up to 9 months).

RPT only - Cover Page and Parts 1, 2 & 3

- Regular part-time (RPT) support staff work that is required as part of ongoing operational needs and is considered to be long-term/permanent in nature.

POSITION DESCRIPTION FORM (PDF)

Temporary Part-time Support Staff

Position Title: CAWT Research Technologist TPT

Position Number: [Click here to enter text.](#) **Pay Band:** 9

Reports To: Jennifer Andersen, Manager, CAWT

Appointment Type: Other-details at right. **“Other” Hours Details:**

Scheduled Weekly Hours (maximum 24 hours per week):

PDF Completed By (Manager Name): Jennifer Andersen

Effective Date: [Click here to enter text.](#) **Last Revision:** May 22, 2024

SIGNATURES

Incumbent: _____ **Date:** _____

(indicates incumbent has read and understood the Position Description Form details)

Supervisor: _____ **Date:** _____

(indicates the supervisor has authorized and assigned the duties & responsibilities in the PDF)

NOTE: Please return the original PDF to HR Operations (Michelle Bozec) as soon as it has been signed. Thank you.

PART ONE:

POSITION SUMMARY

The CAWT Research Technologist will install, decommission, and operate a wide range of experiments, technologies and laboratory instruments in the Centre for Advancement of Water and Wastewater Technologies (CAWT) at the Frost Campus and remote locations. The incumbent will implement and execute a variety of research projects by following project outlines and test plans following standard methods, procedures and as developed by Research Scientists.

The incumbent will conduct laboratory analyses as required for water and wastewater treatment research in an accredited lab (ISO 17025:2017) within set timelines and in adherence to established methods. They will keep detailed records, participate in the development of standard operating procedures, work instructions, and health and safety protocols in consultation with the CAWT Manager, CAWT Laboratory Coordinator, and Research Scientist(s).

They will ensure integrity of data collected through laboratory methods and procedures and ensure it is recorded and backed up in accordance with accepted laboratory procedures. They will follow quality control (assurance) measures to ensure repeatability and data integrity. They will be responsible for maintaining and calibrating laboratory equipment and infrastructure, as well as undertaking troubleshooting and repair work.

The incumbent will ensure safe, accurate and effective use of facilities, equipment and instrumentation, and that all health and safety procedures are followed for the protection of students, staff, faculty, and visitors.

KEY DUTIES & RESPONSIBILITIES

Indicate as clearly as possible the significant duties and responsibilities associated with the position. Indicate the approximate percentage of time for each duty. Keep sentences short, simple and to the point. *TIP: Describe major clusters of functional work rather than detailed individual work routines and procedures.* Do not use allocations of less than 5%.

	Summary Details	Percentage %
	Project Work	65%
1	Participate in project planning sessions to provide feedback in relation to methodologies and modification of technologies, experimental designs, and test plans to conduct bench scale, pilot or full-scale installations. Execute a range of experiments. Adapt and modify current facilities and equipment to accommodate and integrate new techniques and projects. Participate in the operation and maintenance of the CAWT's off campus facility, under the guidance and direction of the CAWT Manager and Research Scientist. Operate and troubleshoot technologies, equipment, and experiments. Collect, preserve and transport samples.	
	Laboratory Analysis	30%

	Summary Details	Percentage %
2	<p>Set-up, operate and maintain bench and analytical instrumentation including, but not limited to: Total Organic Carbon Analyzer, UV/Vis Spectrophotometer, Titrator, multimeters, microbiological testing equipment, incubators, heating blocks, chemical digestion equipment, respirometer, fumehoods, sewage pumps, peristaltic pumps, flow meters, temperature recording devices, environmental chambers, walk-in fridges, autosamplers, autoclaves, muffle furnace, drying oven, and other laboratory equipment. Perform accredited and non-accredited analysis of, but not limited to: pH, turbidity, dissolved oxygen, conductivity, oxidation reduction potential, alkalinity, biomethane potential, Biochemical oxygen demand (total and soluble), chemical oxygen demand (total and soluble), total and free chlorine, total and volatile suspended solids, total and total volatile solids, ammonia, total organic carbon, dissolved organic carbon, E. coli, total coliforms, fecal coliforms, heterotrophic plate counts, volatile fatty acids, and other laboratory methods.</p> <p>Maintain CALA PT proficiency through lab analysis. Perform data entry and data validation by required deadlines. Repair, maintain and troubleshoot analytical instrumentation, infrastructure and equipment.</p>	
5	Other Duties As Assigned <i>(do not amend this section)</i>	5%

To calculate the relative percentage of time allocated to each cluster of key duties & responsibilities, remember to consider the total amount of hours this part-time position will normally work in a year.

For example:

An RPT position which normally works 24 hours per week for 10 months of the year would have approximately 960 annual hours (24 hrs/wk x 4 wks/month x 10 months). If this position is estimated to spend 5 hours per week completing a cluster of work associated with organizing and maintaining business files, you would allocate 20% to this function calculated as (5 hrs/wk x 4 wks/month x 10 months) divided by 960.

PART TWO:

TRAINING & TECHNICAL SKILLS

Indicate the minimum level of independent studies, formal education, internal and/or external training programs including professional and technical or apprenticeship courses necessary to fulfill the requirements of this position.

Formal Education Requirements:

Completion of a two (2) year college diploma.

Field(s) of Study:

Analytical Chemistry, Organic Chemistry, Biochemistry, Molecular Biology, Microbiology, Toxicology, Environmental Engineering, or other similar science-related discipline.

Other Vocational Certifications and/or Apprenticeships:

OIT preferred

EXPERIENCE

Specify the minimum number of months and/or years of practical experience in any related work necessary to fulfill the requirements of this position.

Practical Work Experience:

More than three years up to five years.

Additional Skills & Abilities:

Experience with wastewater; treatment systems, treatment facilities, sample collection, data collection. Experience with laboratory work and water quality analyses. Mechanical aptitude (plumbing / dosing systems, piping, sensors, PLCs), and aptitude in related electrical and plumbing components. Computer skills. Preferred knowledge of and training in First Aid, CPR, WHMIS, Confined Spaces Awareness, Operator in Training.

PART THREE:

COMPLEXITY

Describe the amount and **nature of analysis, problem-solving** and **reasoning** required to perform the core duties of the position. Provide up to two (2) examples in the space provided below of regular duties for this position. Answer the questions listed below in the Key Considerations section.

Example #1

Task / Activity
Description

Example #2

Task / Activity
Description

Key Considerations:

With respect to the examples above and the regular duties associated with this position's core functions, please answer the following questions:

Is the work considered to be routine/non-routine?

Choose an item.

How would you describe the complexity of the work?

Choose an item.

Describe the business processes used by the position.

Choose an item.

JUDGMENT

Describe the degree of independent judgment and problem-solving required to perform the duties of the position. Provide up to two (2) examples in the space provided below of regular duties for this position. Answer the questions listed below in the Key Considerations section.

Example #1

Task / Activity
Description

Example #2

Task / Activity
Description

Key Considerations:

With respect to the examples above and the regular duties associated with this position's core functions, please answer the following questions:

The work duties typically require:

Choose an item.

In determining a solution for problems, the incumbent has discretion to:

Choose an item.

MOTOR SKILLS

Describe the aspects of the position that require fine motor movements (delicate, intricate or precise) related to the core duties of the position. Provide up to two (2) examples in the space provided below of regular duties for this position Answer the questions listed below in the Key Considerations section.

Example #1

Task / Activity
Description

Example #2

Task / Activity
Description

Key Considerations:

With respect to the examples above and the regular duties associated with this position's core functions, please answer the following questions:

When considering 'speed' of fine motor movements for this position:

Choose an item.

Indicate the percentage of time that is required in performing each of the tasks discussed above.

Task	% of Time

PHYSICAL DEMAND

Describe the degree of **physical demand** required to perform the duties of the position. Provide up to two (2) examples in the space provided below of regular duties for this position that illustrate the type and duration of physical effort, the frequency, the strain from rapid and repetitive fine muscle movements or the use of larger muscle groups, lack of flexibility of movement, etc.

Example #1

Task / Activity
Description

Example #2

Task / Activity
Description

Indicate the percentage of time that is required in performing each of the tasks discussed above.

Task	% of Time

How would you describe the frequency of the physical demands of this position?

Occasional (part of the day)

How would you describe the nature of the physical demands of this position?

Choose an item.

How would you describe the physical strain on this position?

Choose an item.

SENSORY DEMAND

Describe the degree of **sensory demand** required to perform the duties of the position. Provide up to two (2) examples in the space provided below of regular duties for this position that illustrate the level/degree of concentration (visual, auditory, tactile, etc.). Answer the questions listed below in the Key Considerations section.

Example #1

Task / Activity
Description

Example #2

Task / Activity
Description

Key Considerations:

With respect to the examples above and the regular duties associated with this position's core functions, please answer the following questions:

How would you describe the requirement for attention to detail in this position?
Choose an item.

How would you describe the requirement for sensory demand in this position?
Choose an item.

Indicate the percentage of time that is required in performing each of the tasks discussed above.

Task	% of Time

STRAIN FROM WORK PRESSURES / DEMANDS / DEADLINES

Describe the degree of **work pressures** involved in performing the duties of the position. Provide up to two (2) examples in the space provided below of regular duties for this position that illustrate the deadlines, interruptions, distractions, multiple or conflicting demands/workloads and dealing with people in difficult situations. Answer the questions listed below in the Key Considerations section.

Example #1

Task / Activity
Description

Example #2

Task / Activity
Description

Key Considerations:

With respect to the examples above and the regular duties associated with this position's core functions, please answer the following questions:

How would you describe the workflow demands this position typically faces?

Choose an item.

How would you describe the existence of critical deadlines in this role?

Choose an item.

How would you describe the level of interruptions this position faces?

Choose an item.

Indicate the predictability of the strain and percentage of time required in each task discussed above.

Task	% of Time	Predictability*
		Choose an item.
		Choose an item.

INDEPENDENT ACTION

Describe the degree of **independent action** and **autonomy** required to perform the core duties of the position. Provide up to two (2) examples in the space provided below of regular duties for this position. Answer the questions listed below in the Key Considerations section.

Example #1

Task / Activity
Description

Example #2

Task / Activity
Description

Key Considerations:

With respect to the examples above and the regular duties associated with this position's core functions, please answer the following questions:

What type of instruction is typically given to the incumbent?

Choose an item.

What degree of supervision is typically provided to the incumbent?

Choose an item.

How is the work typically checked and verified?

Choose an item.

How frequently is the work checked?

Choose an item.

Describe duties which are the incumbent's responsibility where independent action requires initiative and/or creativity and indicate how often the duties occur. Identify the typical situations or problems that are normally referred to the Manager for solution.

COMMUNICATIONS / CONTACTS

Describe the nature of contact and purpose involved in communicating information (i.e. to provide advice, explanation, to negotiate, or influence others to reach agreement, etc.), and the confidentiality of the information provided. Answer the questions listed below in the Key Considerations section.

Nature of Contact (Who)	Purpose of Contact (What)	Frequency
		Choose an item.
		Choose an item.
		Choose an item.
		Choose an item.
		Choose an item.
		Choose an item.

Key Considerations:

With respect to the examples above and the regular duties associated with this position’s core functions, please answer the following questions:

Communications in this position are typically engaged for the purpose of:

Choose an item.

What type of involvement does this position have with confidential information?

Choose an item.

RESPONSIBILITY FOR DECISIONS AND ACTIONS

Describe the type of **responsibility** that exists for the **decisions** and **actions** related to the core duties of the position. Provide up to two (2) examples in the space provided below of regular duties for this position. Answer the questions listed below in the Key Considerations section.

Example #1

Task / Activity
Description

Example #2

Task / Activity
Description

Key Considerations:

With respect to the examples above and the regular duties associated with this position's core functions, please answer the following questions:

How errors are typically detected for work completed by this position?

Choose an item.

What is the typical scope of impact to the organization for errors in this position?

Choose an item.

WORK ENVIRONMENT

Describe the physical environment that the incumbent works in. Consideration should be given to:

- The probability or likelihood of exposure to disagreeable/hazardous elements.
- The nature of the disagreeable/hazardous element
- Length of exposure while on the job
- Travel

Complete the chart below. Answer the questions in the Key Considerations section.

Environment	% of Time
Professional office environment Choose an item.	
Outdoor work; seasonal conditions Choose an item.	
Other (please specify)	
Other (please specify)	

Key Considerations:

With respect to the nature of disagreeable/hazardous elements this position is in contact with, would you describe them as:

Choose an item.

With regard to the disagreeable/hazardous elements referenced above, how often does the position encounter them?

Choose an item.

If this position is required to engage in business related travel, what is the frequency of the travel?

Choose an item.

SUPPLEMENTAL DATA

Provide any additional information which will serve to further enhance understanding of the position.

[Click here to enter text.](#)