



MUNICIPAL PUBLIC WORKS Department

ACTIVITY REPORT NOVEMBER 2023 TO FEBRUARY 2024

The primary mandate of the Municipal Public Works Department is to assist the northern villages in securing the infrastructure and equipment necessary for their development. All of the department's activities performed in this respect are in close cooperation with the northern villages, whose participation is essential to the success of these activities. The department also provides technical assistance and training to municipal staff to help them increase their knowledge in fields relevant to municipal activities, and to make the northern villages more autonomous. Moreover, the department is also responsible for maintaining all KRG infrastructure.

PROGRAMS

1. TECHNICAL ASSISTANCE PROGRAM (SIVUNIRMUT)

- **Drinking water and wastewater**
 - Day-to-day assistance was given by phone to operators (troubleshooting, repairs, adjustments of systems, purchase of parts, follow-up on samplings/tests, etc.).

Bacteriological Analysis – Colilert Sampling Results:

	2021	2022	2023	2024
	50 weeks	52 weeks	50 weeks	5 weeks
Kangiqsualujuaq	95%	92%	82%	80%
Kuujuaq	98%	98%	98%	100%
Tasiujaq	81%	87%	88%	100%
Aupaluk	79%	90%	92%	80%
Kangirsuk	84%	96%	88%	100%
Quaqtaq	65%	96%	82%	80%
Kangiqsujaq	93%	88%	80%	60%
Salluit	91%	71%	92%	100%
Ivujivik	63%	98%	98%	40%
Akulivik	49%	85%	74%	60%
Puvirmituq	77%	75%	66%	80%
Inukjuak	86%	73%	90%	100%
Umiujaq	79%	85%	60%	20%
Kuujuarapik	98%	98%	96%	100%
Average Nunavik	81%	89%	85%	79%

- **Comments:**

- Sampling results:
 - Currently, at 79%, the regional objective is 85%: The regional average is below target, but there's a need to improve testing performances regionally and in particular in the eight villages that are below 85%; (Kangiqsualujuaq, Aupaluk, Quaqtaq, Kangiqsujuaq, Ivujivik, Akulivik, Puvirnituq and Umiujaq);
 - six of the 14 operators are at 90% and above (Kuujjuaq, Tasiujaq, Kangirsuk, Salluit, Inukjuak and Kuujjuaraapik);
- The performance of the operators from Kangiqsujuaq, Ivujivik, Akulivik, and Umiujaq is **critically low**.
- Physical and chemical testing of raw and treated water:
 - The most recent sampling campaign (January 2024) received samples from ONLY TWO (2) of 14 communities (Kuujjuaq and Quaqtaq). Others either didn't send the samples, or the samples did not arrive at the laboratory in time for testing.

This test is crucial since it tracks any potential changes to the source water (lakes and rivers) and confirms if the existing treatment process continues to produce safe drinking water.

- Proficiency testing in collaboration with the Ministry of Environment:
 - This test is conducted by the Ministry of Environment twice a year to ensure the operators are proficient in performing safe and reliable microbiological sampling and reading,
 - Test kits will be shipped in Q1

The Northern Villages are responsible for ensuring their employees follow the regulatory tests.

- Interventions made in collaboration with operators and communities regarding issues with the water infrastructure:
 - **Kuujjuaq**
 - Assist with troubleshooting and replacement of UPS, and IP issues;
 - **Tasiujaq**
 - Replacement of water plant PC – Ongoing;
 - **Aupaluk**
 - Replacement of the chlorination system- Ongoing;
 - **Kangirsuk**
 - Replacement of the submersible pump at the raw water pumping station – Completed;
 - **Quaqtaq**
 - Troubleshooting – heat trace damaged from power outage - Ongoing;
 - Troubleshooting – evaluating the source of high turbidity water - Ongoing ;
 - **Ivujivik:**
 - Extensive support and intervention ongoing to assist the NV with the management of rolling stock and drinking water infrastructure.

Seven NVs have been visited by KRG technicians at least once during this period. The department has lost one of its three instructors, affecting the visit frequency.

- **Rolling Stock – vehicles and heavy equipment**

- Nine NVs visited by mechanic-instructor (Kangiqsualujjuaq, Tasiujaq, Quaqlaq, Kangiqsujuaq, Ivujivik, Akulivik, Puvirnitug, Inukjuak, and Umiujaq), assisting with repairs and follow-up of preventative maintenance.

NVs are reminded to better communicate the status of their fleet for proper overhaul planning when required. With the ongoing disruptions of the supply chain and the impossibility of purchasing new service trucks, the responsibility of the municipalities in the proper maintenance and management of the existing fleet is substantially more critical.

The annual meetings between the department and NVs were resumed this year after a two-year suspension. Twelve NVs responded to the invitation for meetings, and constructive meetings were held to review the 2024 Action Plans and brainstorm the ongoing and upcoming projects and challenges.

2. ISURRUUTIIT PROGRAM 5 (2023-2026) (Quebec Ministry of Municipal Affairs and Housing)

New requirements for the eligibility and selection of the projects will be communicated to the NV.

Component 1 – Drinking water infrastructure

- Aupaluk, Kangiqsujuaq, Salluit and Akulivik:
 - o Professional service contracts awarded, and engineering works started to prepare CFT documents;
- Puvirnitug:
 - o Project to replace raw water and loading pumps, heating oil recirculation, SCADA system, and safety stairs completed;
- Inukjuak:
 - o Project to replace loading platform, SCADA system, and miscellaneous upgrades awarded and works started, expected to finish by the end of the year;
- Kuujjuaraapik:
 - o CFT to upgrade the control and automation system launched for the third time;

Component 2 – Wastewater and stormwater infrastructure

- Salluit:
 - o Concept and feasibility study commenced by the consultants to find the optimal solution for pipeline and pumping station, or a treatment system;
 - o CFT launched for repairs of the freeze protection system at the existing lagoon;
- Puvirnitug and Umiujaq:
 - o Professional service contracts awarded, construction works expected in 2024;
- Inukjuak:
 - o Professional service contracts awarded for investigation and selection of possible solutions;

Component 3 – Municipal service infrastructure

- o Project requests to be submitted by the NVs in order of priority as part of the approved process of needs assessment and scoring.

Component 4 – Waste management infrastructure

- Inukjuak: Construction of the new landfill site on winter break, works to be completed this year;

Component 5 – Local road infrastructure

- Kangirsuk:
 - o Construction of the 2023 new housing development road partially completed to allow for housing construction works to proceed;

- Salluit:
 - o Construction of the 2023 new housing development road partially completed to allow for housing construction works to proceed;
- Puvirnituq
 - o Obtaining environmental permits in progress for the access road to the new burrow pit;
- Kuujuarapik access to the new solid waste site:
 - o Obtaining environmental permits in progress for improvements of the existing portion of the access road;
 - o Professional service contract awarded for the preparation of CFT documents;
- Planning activities are ongoing in collaboration with the Land Use Planning Section of the Renewable Resources Department and Makivvik for new housing development projects.

Component 6 – Rolling stock

- New CFTs launched for 16 water and garbage trucks (both second attempts), a wheel loader, an excavator, snow blowers, and compactors as per the approved eligibilities.

Component 7 – Studies

- Collaborations ongoing with professional engineering firms to define scope and cost.

3. PIVALLIUTIIT 5 (Secrétariat aux relations avec les Premières Nations et les Inuit, SRPNI – formerly SAA)

- The agreement has been signed and is in effect. Project request resolutions to be submitted by the NVs.

4. FUEL EXCISE TAX PROGRAM (TECQ) PROGRAM - 4

- Water infrastructure upgrades of Kangiqsualujjuaq completed;
- Tasiujaq Arena renovation:
 - Construction contract awarded for phase 2 of the works;
- Ivujivik Raw Water Pipeline (Reconstruction):
 - The construction works were substantially completed, and the plant was commissioned and returned to operation. Rectification of deficiencies is ongoing.

5. PROJECT MANAGEMENT FOR OTHER KRG DEPARTMENTS

- Fire Halls (Civil Security):
 - Aupaluk: construction works ongoing; updated expected delivery of the building is April 2024;
 - Kangirsuk and Tasiujaq: started the planning phase with contractors; site visits are ongoing, and construction works are to commence this summer;
 - Umiujaq and Ivujivik: Service contracts in process for the preparation of CFT documents;
 - Puvirnituq and Inukjuak: renovation completed in Q4 2023; provisional acceptance has been issued; contractors are working on finalizing deficiencies lists.
 - Kangiqsujuaq: the project was delivered in November 2023. Repairs as per the deficiencies list are ongoing.
 - Salluit, Quaataq, and Akulivik: preparation of plans and specifications in progress; CFT planned to be launched in Q1 of 2024;
- Community Freezer (Renewable Resources Department):
 - Coordination with the NV of Quaataq for the construction of the pad.

6. Recreational and Sports Infrastructure Financial Assistance Program

Preparing Call for Tenders documents for hiring the consultant(s) is in progress.

7. KRG Housing Projects:

- Renovation of house #573 in Kuujuaq is ongoing, and works are expected to be completed in February 2024.

8. KRG BUILDING MAINTENANCE

- Daily maintenance:
 - Work to address the backlog of staff housing and infrastructure issues is proceeding despite reduced staff. Staff worked on getting some of our building oil tanks and furnaces ready for winter.
- KRG Infrastructure work in the region:
 - Works have been limited to addressing urgent and critical repairs while staff and material shortages are being addressed to work on major upgrades in the following months.
- Kuujuaq: The 2023 major work on two quadruplexes that was delayed until this year, due to exceptionally high prices, should start in late Spring
- CCQ Workers – In an effort to do more work internally and avoid some of the higher contractor costs, some of the CCQ workers arrived in January. To add to the catch-up efforts, the 2024 budget includes an increase from seven to ten CCQ workers for which recruitment will be starting soon.
- Transfer of the duties of the Administration's Operation section to the MPW's Maintenance section has taken place, but some procedural modifications remain to be worked out as well as staff guidance and training.



MUNICIPAL PUBLIC WORKS DEPARTMENT EMPLOYEES

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Hossein Shafeghati	hshafeghati@krg.ca extension 2322	Director - Administration and management of the Department
Cindy Koneak *	extension 2355	Administrative Technician

INFRASTRUCTURE DIVISION

Alain Tourigny	atourigny@krg.ca extension 2362	Assistant Director – Infrastructure Division - Administration and management of the Infrastructure Division and Technical Assistance Program
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Project Managers

Alfred Tsui	atsui@krg.ca extension 2354	Water and wastewater infrastructure- Ungava Coast • Water Plant and sewage lagoon maintenance, construction & renovation • Drinking water quality management
Amar Djedid	adjedid@krg.ca extension 2430	Civil projects (roads, bridges, drainage, paving)
Iheoma Nkwoji	inkwoji@krg.ca extension 2380	Water and wastewater infrastructure- Hudson Coast • Water Plant and sewage lagoon maintenance, construction & renovation • Drinking water quality management
Christian Dostie	cdostie@krg.ca	Road/paving projects and Rolling Stock
Ahmed ElMallah	aelmallah@krg.ca extension 2358	Building Infrastructure Projects
Aidan Heydarian **	aheydarian@krg.ca extension 2325	Civil projects (roads, bridges, drainage, paving)
Vacant, four (4) positions		Project Managers

Project and Program Controls

Eduardo Olguin Diaz	eolquind@krg.ca extension 2259	Project and Program Controller
Vacant, one (1) positions		Project and Program Controller

Technical Assistance Program

Vacant***		Coordinator
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Heavy Equipment Mechanic Instructors

Eric Ouellette	eouellette@krg.ca	Mechanics Instructors (Nunavik rotation) Assistance/on-the-job training to municipal mechanics
Matthew Murray	mmurray@krg.ca	
Vacant	One instructor position	

Water Plant Maintenance Instructors

		Assistance and on-the-job training to municipal operators
Ernest Baas	ebaas@krg.ca Extension 2377	Water Plant Instructor / Team Leader - Kuujuaq
François Corbeil *		
Frank Stevens	fstevens@krg.ca	Rotation – Quaqtaq, Kangiqsujuaq, Salluit and Ivujivik
Vacant	One instructor position	Rotation – Akulivik, Puvirnituq, Inukjuak, Umiujaq and Kuujuaaraapik
Patrick Desteredjian	pdesteredjian@krg.ca	Rotation – Kangiqsualujuaq, Aupaluk, Tasiujaq and Kangirsuk

* Temporarily out of office

** New team member

*** New Position

BUILDING MAINTENANCE DIVISION maintenance@krq.ca

Watson A. Fournier wafournier@krq.ca **Assistant Director – Building Maintenance Division**
Extension 2364 - Administration & Management of the Maintenance division

Rebecca Jones extension 2391 **Administrative Technician**

Kuujuaq Maintenance Crew

Miguel Simard msimard@krq.ca **Coordinator**
Extension 2378

David Paris dparis@krq.ca Building maintenance technician

John Chocholacek jchocholacek@krq.ca Building maintenance technician

Maxime Dupont mdupont@krq.ca Building maintenance technician - electrician

Vacant – 4 positions Building maintenance technicians

Kuujuaq Operations Crew

Assistant Coordinator*** Vacant

Adamie Johannes ajohannes@krq.ca Storekeeper

Alexandre Gagne agagne@krq.ca Receiving clerk

Dave Parsons dparsons@krq.ca Vehicle Fleet technician

Johnny Kudluk jkudluk@krq.ca Labourer

Noah Angnatuk nangnatuk@krq.ca Labourer

Peter Saunders petersaunders@krq.ca Labourer

Robert Ekomiak rekomiak@krq.ca Storekeeper

Sammy Munick smunick@krq.ca Labourer

Nunavik Maintenance Crew

André Cornellier acornellier@krq.ca **Coordinator**

Assistant coordinator*** Vacant

Alain Turcotte aturcotte@krq.ca **NV Building Maintenance Technicians (Nunavik rotation)**

Denis Lafreniere dlafreniere@krq.ca - Maintenance of KRG buildings (police stations, airport terminals and garages, office buildings, staff housing) and Childcare centers

Émile Lebel elebel@krq.ca - Assistance/on-the-job training for NV buildings (water plants, arenas, community centers, swimming pools) to municipal building technicians, etc.

Eric Chamberland echamberland@krq.ca

John Coady jcoady@krq.ca

Rodney Vezina rvezina@krq.ca

Tyler Welsh twelsh@krq.ca

Vacant – 2 positions

*: Temporarily out of office

** : New team member

***: New Position