



MUNICIPAL PUBLIC WORKS Department

ACTIVITY REPORT SEPTEMBER TO NOVEMBER 2023

The primary mandate of the Municipal Public Works Department is to assist the communities in securing the infrastructure and equipment necessary for their development and to assume all related responsibilities. 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 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:

	2019	2020	2021	2022	2023
	50 weeks	50 weeks	50 weeks	52 weeks	45 weeks
Kangiqsualujuaq	93%	94%	95%	92%	82%
Kuujuaq	93%	100%	98%	98%	98%
Tasiujaq	69%	88%	81%	87%	87%
Aupaluk	71%	66%	79%	90%	93%
Kangirsuk	95%	100%	84%	96%	87%
Quaqtaq	62%	78%	65%	96%	82%
Kangiqsujuaq	100%	98%	93%	88%	80%
Salluit	95%	90%	91%	71%	91%
Ivujivik	71%	80%	63%	98%	100%
Akulivik	62%	82%	49%	85%	76%
Puvirnituaq	93%	90%	77%	75%	64%
Inukjuak	71%	92%	86%	73%	91%
Umiujaq	93%	94%	79%	85%	58%
Kuujuarapik	100%	92%	98%	98%	96%
Average Nunavik	84%	89%	81%	89%	85%

- **Comments:**

- Sampling results:

- Currently, at 85%, the regional objective is 85%: The region average is at the target, but there's a need to improve testing performances regionally and in particular in the six villages that are below 85%; (Kangiqsualujjuaq, Quaқтаq, Kangiqsujuaq, Akulivik, Puvirnituaq, and Umiujaq);
- 5 of the 14 operators are at 90% and above (Kuujjuaq, Tasiujaq, Aupaluk, , Salluit, Ivujivik, Inukjuak, and Kuujjuaraapik);

The performance of the operators from Akulivik, Puvirnituaq, and Umiujaq is **critically low**.

- Physical and chemical testing of raw and treated water:

- The most recent sampling campaign received samples from five (5) of 14 communities (Kangiqsualujjuaq, Aupaluk, Kangirsuk, Akulivik, Kuujjuaraapik). 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 were shipped to all NVs, and the test results were received only from five (5). Here's a list of the villages whose operators have taken the proficiency testing:
 - Kangiqsualujjuaq
 - Tasiujaq
 - Kangirsuk
 - Quaқтаq
 - Salluit

This means that the testing proficiencies of the operators of 9 villages (Kuujjuaq, Aupaluk, Ivujivik, Akulivik, Puvirnituaq, Inukjuak, Umiujaq and Kuujjuaraapik) have not been tested and verified, casting doubt on the weekly test results. The Northern Villages are responsible to ensure their employees follow the regulatory tests.

- Interventions made in collaboration with operators and communities regarding issues with the water infrastructure:

- **Kangiqsualujjuaq**

- Assisting the NV to solve the problem of critically low level of the raw water lake to secure water access in the winter; Completed;
- Repairs and replacements of equipment following the technical audit report- Completed;
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- **Kuujjuaq**

- Replace loading valves, Completed
- Repair leak in the water plant at the intake pipe. Completed

- **Aupaluk**
 - Replacement of the chlorination system- Ongoing;
 - Winterization of the raw water pumping station and pipeline- Completed;
- **Quaqtaq**
 - Troubleshooting – problem with automation in the water plant.- Completed;
 - Troubleshooting – heat trace damaged from power outage- Ongoing;
- **Salluit**
 - - Weekly sampling for analysis of the source water is ongoing. The results will be used to ascertain the best treatment method to address the high turbidity issue during the spring runoff.
- **Ivujivik:**
 - Water from the lake continues to be pumped into the truck, and chlorine is added directly, requiring a continuous notice to boil advisory until the new supply line is constructed.

Seven (7) NVs have been visited by KRG technicians at least once during this period. The Department has lost **two** of its three instructors, affecting the visit frequency.

- **Rolling Stock – vehicles and heavy equipment**
 - Five (5) NVs visited by mechanic-instructor (Kangirsuk, Quaqtaq, Kangiqsujuaq, Ivujivik, Akulivik), 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.

It is vital to remember that most overhauls cost above the thresholds required by the law to be procured through calls for tenders (CFT); thus, it is imperative to allow for the proper time and have a detailed scope for such CFTs.

2. ISURRUUTIIT PROGRAM 5 (2023-2026) (Ministère des Affaires municipales et de l’Habitation– MAMH)

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

Component 1 – Drinking water infrastructure

- Aupaluk:
 - o Professional service contracts awarded and engineering works started to prepare CFT documents;
 - o Culverts installed to secure the raw water pipeline from washout during the thaw season
- 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 twice but no compliant bids received. A third launch to take place;

Component 2 – Wastewater and stormwater infrastructure

Component 3 – Municipal service infrastructure

Component 4 – Waste management infrastructure

- Inukjuak: Contract awarded and works started for the construction of the new landfill site;

Component 5 – Local road infrastructure

- Salluit:
 - o Construction of the 2023 new housing development road partially completed to allow for housing construction works to proceed;
- Puvirnitug
 - o Obtaining of the environmental permits in progress for the access road to the new burrow pit;
- Kuujjuarapik access to the new solid waste site:
 - o Construction of the new portion of the access road completed in collaboration with the Cree Nation Government;
 - o Obtaining the environmental permits in progress for improvements of the existing portion of the access road;
- Planning activities are ongoing in collaboration with the Land Use Planning Section of RRD and Makivik for new housing development projects.

Component 6 – Rolling stock

- New CFTs revised and will be published before the end of the year;
- Two replacement water tanks for overhauling older water trucks in Kuujjuaq were delivered to the NV. Installation works ongoing by the NV;

Component 7 – Studies

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

New agreement has been signed by the Chairperson of KRG and sent to SRPNI for the minister's signature. In the new agreement, these newly negotiated features could be highlighted:

- The envelope for the *Community Infrastructure* component per village has increased by 50%, from \$1,000,000 to \$1,500,000;

- The requirement for the 10% local contribution has been waived and the program could now fund up to 100% of the projects;
- Subject to approval by the Council, we are now allowed to merge funds between different villages to realize larger projects;

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

- Water infrastructure upgrades of Kangiqsualujjuaq Completed;
- Tasiujaq Arena renovation:
 - Call for Tenders relaunched with reduced scope of work and satisfactory bids received; contract awarding in progress;
- Ivujivik Raw Water Pipeline (Reconstruction):
 - The construction works are substantially completed, and the plant is expected to be commissioned by the end of November;

5. PROJECT MANAGEMENT FOR OTHER KRG DEPARTMENTS

- Fire Halls (Civil Security):
 - Aupaluk: the boat shelter has been moved, and the firehall renovation began in September. The end of the renovation is expected to be in the middle of December;
 - Kangirsuk and Tasiujaq: contracts have been awarded to two contractors; renovation is to be carried out next summer;
 - Umiujaq and Ivujivik: preinspection has been done in October. Plans & specs to follow; renovation is planned for 2024 but is yet to be confirmed;
 - Puvirnituq: renovation completed in October; provisional acceptance has been issued;
 - Inukjuak: renovation is almost completed, but still some painting works to be done before the provisional acceptance;
 - Kangiqsujuaq: The final inspection was done on November 7th. Repairs of last deficiencies and hold back release to follow soon;
 - Salluit, Quaqtaq and Akulivik: plans and specs in progress; CFT planned to be launched at the beginning of 2024;
- Community Freezer (Renewable Resources Department):
 - The call for tenders was concluded, and the contract was awarded to deliver the freezer in 2024, subject to a timely construction of the pad by the NV.

6. Recreational and Sports Infrastructure Financial Assistance Program (Programme d'aide financière aux infrastructures récréatives et sportives – PAFIRS)

The Department is currently working on finding new staff members to fill the vacant positions and hopes to resume the projects as soon as possible. The Department has put the projects on hold due to a critical shortage of staff. The Department is committed to ensuring that the projects are completed in a timely and efficient manner. Should staffing issues persist through next year, outsourcing the management of these projects will be considered.

7. KRG Housing Projects:

- Renovation of house #573 in Kuujjuaq is ongoing, and works are expected to be completed in late Fall.

8. KRG BUILDING MAINTENANCE

- Daily maintenance:
 - Work to address the backlog of staff housing and infrastructure issues is proceeding despite reduced staff and a significant slowdown in internal logistics due to the cyber incident.
- 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.
- Kuujjuaq: This year's major work planned for specific staff housing units has been delayed until next year due to exceptionally high prices.
- CCQ Workers – In an effort to do more work internally and avoid some of the higher contractor costs, six (6) workers were hired instead of the regular four (4) to do some of our required renovation work. To add to the efforts, a seventh (7th) CCQ worker was hired who is a plumber/heating journeyman.
- Transfer of the duties of the Administration's Operation section to the MPW's Maintenance section has taken place, but numerous procedural modifications remain to be worked out and streamlined.



MUNICIPAL PUBLIC WORKS DEPARTMENT EMPLOYEES

Phone: 1-877-964-2961 · Fax: (819) 964-0306

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

INFRASTRUCTURE DIVISION

Alain Tourigny	atourigny@krq.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@krq.ca extension 2354	Water and wastewater infrastructure- Ungava Coast - Water Plant and sewage lagoon maintenance, construction & renovation - Drinking water quality management
Amar Djedid	adjedid@krq.ca extension 2430	Civil projects (roads, bridges, drainage, paving)
Iheoma Nkwoji	inkwoji@krq.ca extension 2380	Water and wastewater infrastructure- Hudson Coast - Water Plant and sewage lagoon maintenance, construction & renovation - Drinking water quality management
Christian Dostie	cdostie@krq.ca extension 2430	Road/paving projects and Rolling Stock
Ahmed ElMallah **	aelmallah@krq.ca extension 2358	Building Infrastructure Projects

Vacant, five (5) positions

Project Managers

Project and Program Controls

<i>Vacant, two (2) Positions</i>		<i>Controllers</i>
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Technical Assistance Program

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

Water Plant Maintenance Instructors		Assistance and on-the-job training to municipal operators
Ernest Baas (Temporary Position)	ebaas@krq.ca Extension 2377	Water Plant Instructor / Team Leader - Kuujuaq
François Corbeil *		Rotation – Quaataq, Kangiqsujaq, Salluit and Ivujivik Rotation – Akulivik, Puvirnituaq, Inukjuak, Umiujaq and Kuujuaaraapik Rotation – Kangiqsualujuaq, Aupaluk, Tasiujaq and Kangirsuk
Frank Stevens	fstevens@krq.ca	
Michael Menness *		
Patrick Desteredjian *		

*: Temporarily out of office

** : New team member

***: New Position

BUILDING MAINTENANCE DIVISION maintenance@krg.ca

Watson A. Fournier	wafournier@krg.ca Extension 2364	Assistant Director – Building Maintenance Division - Administration & Management of the Maintenance division
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Rebecca Jones	extension 2391	Administrative Technician
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Kuujuuaq Maintenance Crew

Miguel Simard	msimard@krg.ca Extension 2378	Coordinator
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Alec Ningiuruvik	aningiuruvik@krg.ca	Building Maintenance Technicians - Maintenance of KRG buildings (police stations, airport terminal and garage, office building, staff housing) and Childcare centers
John Chocholacek	jchocholacek@krg.ca	
Maxime Dupont	mdupont@krg.ca	
David Paris **	dparis@krg.ca	
Vacant – 4 positions		

Kuujuuaq Operations Crew

Operations Coordinator		Vacant
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Adamie Johannes	ajohannes@krg.ca	Storekeeper
Alexandre Gagne	agagne@krg.ca	Receiving clerk
Dave Parsons	dparsons@krg.ca	Vehicle Fleet technician
Johnny Kudluk	jkudluk@krg.ca	Labourer
Noah Angnatuk	nangnatuk@krg.ca	Labourer
Peter Saunders	petersaunders@krg.ca	Labourer
Robert Ekomiak	rekomiak@krg.ca	Storekeeper
Sammy Munick	smunick@krg.ca	Labourer

Nunavik Maintenance Crew

André Cornellier **	acornellier@krg.ca	Coordinator
Alain Turcotte	aturcotte@krg.ca	NV Building Maintenance Technicians (Nunavik rotation)

Denis Lafreniere	dlafreniere@krg.ca	- Maintenance of KRG buildings (police stations, airport terminals and garages, office buildings, staff housing) and Childcare centers - Assistance/on-the-job training for NV buildings (water plants, arenas, community centers, swimming pools) to municipal building technicians, etc.
Émile Lebel	elebel@krg.ca	
Eric Chamberland	echamberland@krg.ca	
John Coady	jcoady@krg.ca	
Rodney Vezina	rvezina@krg.ca	
Tyler Welsh	twelsh@krg.ca	
Vacant – 2 position		

*: Temporarily out of office

** : New team member