



MUNICIPAL PUBLIC WORKS Department

ACTIVITY REPORT JUNE TO SEPTEMBER 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	34 weeks
Kangiqualujuaq	93%	94%	95%	92%	79%
Kuujuaq	93%	100%	98%	98%	94%
Tasiujaq	69%	88%	81%	87%	88%
Aupaluk	71%	66%	79%	90%	97%
Kangirsuk	95%	100%	84%	96%	85%
Quaqtaq	62%	78%	65%	96%	76%
Kangijsujuaq	100%	98%	93%	88%	79%
Salluit	95%	90%	91%	71%	97%
Ivujivik	71%	80%	63%	98%	100%
Akulivik	62%	82%	49%	85%	68%
Puvirnituaq	93%	90%	77%	75%	76%
Inukjuak	71%	92%	86%	73%	91%
Umiujaq	93%	94%	79%	85%	56%
Kuujuarapik	100%	92%	98%	98%	94%
Average Nunavik	84%	89%	81%	89%	84%

- **Comments:**

- Sampling results:
 - Currently, at 84%, the regional objective is 85%: The average has fallen marginally below target, and there's a need to improve testing performances regionally and in particular in the six villages that are below 85%; (Kangiqsualujjuaq, Quaqtaq, Kangiqsujuaq, Akulivik, Puvirnitug, and Umiujaq);
 - 8 of the 14 operators are at 90% and above (Kangiqsualujjuaq, Kuujjuaq, Tasiujaq, Aupaluk, Kangiqsujuaq, Salluit, Ivujivik, Inukjuak);
 - The performance of the operators from Akulivik and Umiujaq is **critically low**.
- Physical and chemical testing of raw and treated water:
 - The second sampling campaign received samples from 8 of 14 communities (Kangiqsualujjuaq, Kuujjuaq, Tasiujaq, Aupaluk, Quaqtaq, Salluit, Akulivik and Inukjuak). 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 seven (7). Here's a list of the villages whose operators have taken the proficiency testing:
 - Kangiqsualujjuaq
 - Tasiujaq
 - Kangirsuk
 - Quaqtaq
 - Kangiqsujuaq
 - Salluit
 - Akulivik
- 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,
 - Repairs and replacements of equipment following the technical audit report;
 - **Aupaluk**
 - Replacement of the chlorination system – affected by the cyber incident;
 - **Quaqtaq**
 - Troubleshooting – problem with automation in the water plant – affected by the cyber incident

- Troubleshooting – heat trace damaged from power outage;
- **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.
- **Puvirnitug**
 - A minor leak in the raw water pipeline was repaired.

Ten **(10)** 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**
 - Eight (8) NVs visited by mechanic-instructor (Tasiujaq, Kangirsuk, Quaqaq, Kangiqsujaq, Ivujivik, Akulivik, Puvirnitug, and Inukjuak), 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 4 (2016-2022) (Ministère des Affaires municipales et de l’Habitation– MAMH)

Component 3 – Rolling Stock

The three (3) remaining garbage trucks from the 2021 purchases were delivered on the first boats to Aupaluk, Ivujivik and Umiujaq.

IP-4 is formally closed, and the final report and reimbursement claim for the expenditure of works carried out under Phase IV for the total cumulative amount of \$116,158, 810 leaving a balance of \$3,841,190 from the whole envelope of \$120,000,000. That balance amount will be transferred to IP-5.

3. 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, Salluit, and Akulivik:
 - o Professional service contracts are in process to carry out the engineering work needed for the upgrades required for the three communities;
 - o Culvert material was purchased to secure the raw water pipeline in Aupaluk. Installation is to take place in early Fall.

Component 2 – Wastewater and stormwater infrastructure

Component 3 – Municipal service infrastructure

Component 4 – Waste management infrastructure

- Inukjuak: Call for Tenders concluded for the construction of the new site, and two bids were received pending legal analysis. Construction works are planned for 2024.

Component 5 – Local road infrastructure

- Planning activities are ongoing in collaboration with the Land Use Planning Section of RRD and Makivvik for new housing development projects.

Component 6 – Rolling stock

- Purchase orders were awarded to all the winning bidders of the CFTs launched in March and April. All deliveries will take place in 2024 onwards. New CFTs will be published in the Fall.
- Two replacement water tanks for overhauling older water trucks in Kuujuaq were purchased through a public CFT and delivered to the port for the sealift.

Component 7 – Studies

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

Negotiations with SRPNI concluded with an interim agreement of a 50% increase in the funds for the Community Infrastructure component, awaiting approval by the Cabinet.

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

- Water infrastructure upgrades of Kangiqsualujuaq, Kangirsuk, Puvirnituk and Inukjuak are ongoing.
- Tasiujaq Arena renovation:
 - As a result of the exceptional inflation, the bids received for the project's second phase are way over the budget. Call for tenders (limited scope) will be relaunched in September.
- Ivujivik Raw Water Pipeline (Reconstruction):
 - The contractor has mobilized, and construction works have commenced. Commissioning of the system is expected in late Fall.

6. PROJECT MANAGEMENT FOR OTHER KRG DEPARTMENTS

- Fire Halls (Civil Security):
 - Kangiqsujuaq: The works are completed—final inspection to be conducted this Fall 2023.
 - Puvirnitug: Minor works are still outstanding; renovation is expected to be completed in September 2023.
 - Inukjuak: Minor works are still outstanding; renovation is expected to be completed in September 2023.
 - Aupaluk: Renovation starts in August and should be completed in December 2023.
 - Tasiujaq and Kangirsuk (Renovations): The Call for Tenders has been relaunched in August 2023. Renovations are postponed to 2024.
 - Ivujivik, Umiujaq, Quaqtac, Akulivik and Salluit (Renovations): The Call for Tenders will be launched in January 2024. Renovations are planned for 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.

7. 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.

8. KRG Housing Projects:

- Renovation of house #573 in Kuujuaq is ongoing, and works are expected to be completed in late Fall.
- A call for tenders was concluded, and a contract was awarded for major renovations of eight (8) apartment units in Kuujuaq (# 1480 and 1482). Construction works are planned for 2024.

9. 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.
- Kuujuaq: 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.
- 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

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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 extension 2430	Road/paving projects and Rolling Stock

Vacant, six (6) positions

Project Managers

Technical Assistance Program

Vacant***

Coordinator

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 (Temporary Position)	ebaas@krg.ca Extension 2377	Water Plant Instructor / Team Leader - Kuujuaq
François Corbeil *		
Frank Stevens	fstevens@krg.ca	Rotation – Quaataq, Kangiqsujaq, Salluit and Ivujivik
Michael Menness *		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@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	
Robert Ekomiak	rekomiak@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 Muncik	smunick@krg.ca	Labourer

Nunavik Maintenance Crew

André Cornellier **	acornellier@krg.ca	Coordinator
Alain Turcotte	aturcotte@krg.ca	NV Building Maintenance Technicians (Nunavik rotation) - 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.
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Rodney Vezina	rvezina@krg.ca	
Tyler Welsh	twelsh@krg.ca	
Vacant – 1 position		

*: Temporarily out of office

** : New team member