



MUNICIPAL PUBLIC WORKS department

ACTIVITY REPORT JUNE 2021 TO SEPTEMBER 2021

The primary mandate of the Municipal Public Works Department is to assist the communities to secure 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 co-operation with the northern villages, whose participation is essential to the success of these activities. As well, the Department provides technical assistance and delivers training to municipal staff to help them increase their level of knowledge in fields that are relevant to municipal activities and to make the northern villages more autonomous. The department is also responsible for the maintenance of all KRG infrastructure.

PROGRAMS

1. TECHNICAL ASSISTANCE PROGRAM (SIVUNIRMUT)

- Drinkable Water

- 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:

	2017 50 weeks	2018 50 weeks	2019 50 weeks	2020 50 weeks	2021 32 weeks
Kangiqualujuaq	100%	90%	93%	94%	94%
Kuujuaq	92%	92%	93%	100%	97%
Tasiujaq	72%	62%	69%	88%	81%
Aupaluk	90%	96%	71%	66%	72%
Kangirsuk	90%	96%	95%	100%	84%
Quaqtaq	96%	90%	62%	78%	69%
Kangirsujuaq	96%	98%	100%	98%	94%
Salluit	93%	90%	95%	90%	97%
Ivujivik	60%	60%	71%	80%	53%
Akulivik	78%	84%	62%	82%	44%
Puvirnituaq	86%	82%	93%	90%	75%
Inukjuak	76%	58%	71%	92%	88%
Umiujaq	96%	94%	93%	94%	78%
Kuujuaapik	94%	96%	100%	92%	97%
Average Nunavik	87%	85%	84%	89%	80%

- **Comments:**

- Sampling results:
 - Currently at **80%**, regional objective is 85%: major step-back since last report ;
 - 5 of 14 operators at 90% and above (Kangihsualujuaq, Kuujuaq, Kangirsujuaq, Salluit, and Kuujjuaraapik)
 - 1 of 14 operators between 85% and 90%, (Inukjuak)
 - 7 of the 14 operators between 50% and 85% (Tasiujaq, Aupaluk, Kangirsuk, Quaqtac, Ivujivik, Puvirnituq and Umiujaq) and 1 of the 14 operators below 50% (Akulivik): **Major and immediate improvements are required**
 - Continued efforts are needed to maintain and improve testing performances regionally;
- NVs should continue sending water samples to the hospital to validate results;
- Physical and chemical testing of raw water and treated water:
 - Following the June campaign, samples were received from 9 of 14 communities, samples from Tasiujaq, Aupaluk, Ivujivik, Akulivik, Puvirnituq and Inukjuak were not received;
 - Next sampling campaign has started in August;

This test is important 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;

- Interventions made in collaboration with operators and communities regarding issues with the water infrastructure;
 - Aupaluk (supply line repair)
 - Supply line leaks were located this summer and repaired;
 - Tasiujaq (settlement of reservoir)
 - Differential settlement of water reservoir requires intervention;
 - Call for tender by invitation launched for levelling reservoir this fall;
 - Quaqtac: (supply line)
 - Contractor to test and repair the heat trace cable and perform a general investigation of the control systems in September;
 - Salluit: (frozen intake line at source)
 - MPW team working with NV to replace a pump at source and reparations of the heat trace cable to the pumping station;
 - Ivujivik: (frozen supply line repair)
 - Another tender by invitation launched for the work to repair leaks in supply line;
 - Efforts in meantime to coordinate work internally on-going should no contractors submit a successful bid;
 - Replacement pipe and connections delivered to community;
 - Direct connection for filling trucks at the pumping station remains until repair to supply line is completed;
 - Chlorine treatment added to tanks and standard tests are performed to ensure quality of water;
 - Akulivik: (loading system repairs)
 - Installation of new loading system completed in August;
 - Inukjuak/ Puvirnituq: (Raw water intake)
 - Contract for underwater inspection awarded, schedule for work being coordinated;

- **Rolling Stock – vehicles and heavy equipment**
 - 7 NVs visited by mechanic-instructors (Kangiqualujjuaq, Kuujjuaq, Quaqaq, Kangirsujuaq, Salluit, Ivujivik, Akulivik), assisting on repairs and follow-up of existing overhaul projects;
 - Kangiqualujjuaq: (water trucks)
 - Urgent assistance given to bring trucks back into service;
 - Ivujivik: (water trucks)
 - Urgent assistance given to repair service trucks, work is on-going;
 - Assistance given to ensure inventory orders by NVs for the last ship were completed
- **Sports and Recreation Infrastructure – arenas, community centers, swimming pools.**
 - Contractor currently making inspection tour of arenas in Nunavik;
 - Reports of required repairs and materials needed to come;

2. ISURRUUTIIT PROGRAM 4 (2016-2022) (Ministère des Affaires Municipales et de l’Habitation– MAMH)

Component 1 – Infrastructure

1.1 Drinking Water – Water Plants

- General:
 - Water plant infrastructure and heating system audit reports being received and under review;
- Kuujjuaq: (New)
 - Final contractual obligations being completed by contractor to close project
- Aupaluk: (Infrastructure needs)
 - Water tank retrofit work delayed to IP-5 due to late arrival of materials by sealift;
 - Decision made to plan for additional reservoir;
 - Revised proposal for additional reservoir from consultant expected early September;
 - Direct connection for raw water to treatment plant was installed in May;
- Akulivik (upgrades):
 - Work to install UV sensor and turbidimeter completed;
- Water Reservoir Tank refits:
 - Works completed for Tasiujaq, Kangirsuk, Quaqaq, Salluit and Ivujivik;
 - Work in Inukjuak to start in October;

1.2 Waste Water Systems

- Kangirsujuaq:
 - Work delayed due to lack of available equipment;

1.3 Solid Waste Sites

- On-going projects for closure and remediation plans in villages such as Kangirsuk, Inukjuak and Kuujjuaraapik will be carried over into Isurruutiit program 5;
- New design and construction of the Inukjuak site will be done in IP-5;
- Overall evaluation for new solid waste sites in region will be considered in priority for submission in proposal of IP-5;

1.4 Roads

- Kangiqsualujjuaq: (new development area)
- NV continuing work past Parks Pavillion;
- Kangirsuk: (access to new site)
 - Issues with environmental authorizations, project delayed to 2022;
- Quaqtaq: (new development area)
 - Meeting to discuss roads for new development area in early September;
- Salluit: (access to new cemetery site)
 - Environmental Authorizations in progress;
 - Design to be confirmed;
- Puvirnitug: (new development area)
 - Collaboration with 3rd party to follow construction of new road;
- Kuujjuaraapik: (existing access road improvement to new solid waste site)
 - Environmental authorizations in progress;
 - Cost Sharing Agreement between Kuujjuaraapik and Whapmagoostui was sent, final discussions to follow;
 - On-going work to construct new development area including purchase of granular materials;

Component 2 – Buildings and other fixed structures

- Municipal Garages:
 - Kangiqsualujjuaq and Inukjuak: (new construction)
 - Construction started on foundations and buildings are scheduled to be completed in December 2021;
 - Puvirnitug: (new construction)
 - Foundation work resumed this summer and construction to finish in 2022;
 - Kangirsuk (Arena demolition and new construction)
 - Demolition work has been completed;
 - Construction work on-going and to be completed June 2022;

Component 3 – Rolling Stock – vehicles and heavy equipment

- Impacts to the supply chain due to COVID-19 have delayed the delivery of the trucks to the first ship in 2022;
 - (7) Water trucks: Kangiqsualujjuaq, Kuujjuaq (2), Kangirsuk, Salluit, Ivujivik, Puvirnitug
 - (4) Sewage trucks: Kuujjuaq, Quaqtaq, Ivujivik, Puvirnitug
 - (3) Garbage trucks: Aupaluk, Ivujivik, Umiujaq
 - (3) Gravel dump trucks: Kuujjuaq, Aupaluk, Puvirnitug
- Supplier has relayed concerns for delivery for loaders as well, they are striving to meet the deadline – to be confirmed;
 - (4) Loaders: Kangiqsualujjuaq, Kangirsuk, Quaqtaq, Puvirnitug
- Grader is scheduled for the last boat;
 - (1) Grader: Akulivik

3. PAVING PROGRAM (MTQ)

- Proposal submitted and awaiting for MTQ response to begin discussions;

4. PIVALLIUTIIT 3 and 4 (Secrétariat aux affaires autochtones, aboriginal affairs, SAA)

- Kangirsujuaq: Community center (heating system)
 - Work to be completed end of August;
- Ivujivik: Community Center (renovation)
 - Deficiencies to be corrected October 2021 to close project;
- Kuujjuaraapik: St-Edmunds Church (renovation)
 - Consultant working to define project with village
 - Public consultation being scheduled for input from community;
- Kangiqsualujuaq: Community workshop (construction)
 - SAA (Secretariat d'affaires autochtone) is processing the project request;

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

- Akulivik Municipal Garage: (heating system renovation)
 - Initial call for tender for equipment unsuccessful, new invitation to be launched for potential bidders;

6. PROJECT MANAGEMENT FOR OTHER KRG DEPARTMENTS

- Police stations (NPS) – (new construction): Puvirnituaq and Inukjuak
 - Call for tenders opened August 25 and bids are under review;
 - Construction of foundations planned for fall 2021 and resume construction in 2022
- Firehalls (Civil Security)
 - Program confirmed for funding and inspection tours started with consultants to confirm scope of work;
- Akulivik, Puvirnituaq: (renovation)
 - Inspections completed, preparation for a CFT to follow this fall; work planned for 2022;
- Kangirsujuaq, Salluit, Inukjuak: (renovations)
 - Inspections planned in September, preparation for a CFT to follow by the end of 2021; work planned for 2022;
- Kuujjuaq : (renovation or new construction to be confirmed)
 - Projected for completion 2022-2023;
- Nunavik Parks Infrastructures (Renewable Resources Department)
 - Kangirsujuaq: Pingualuit Interpretation Center (renovation)
 - Inspection visit by a consultant to be confirmed in order to prepare estimates;
 - Renovation work planned for summer 2022;
- Childcare centers:
 - Salluit: Tasiursivik (renovation)
 - Work on-going and expected to be completed in December 2021;
 - Kuujjuaq: Iqitauvik (renovation)
 - Deficiencies were corrected in July by contractor and project closure to come after receiving final report from consultant on hire;
 - Kuujjuaq: Tumiapiit (mold remediation)
 - Follow up visit done in August and tests confirmed successful containment of remaining mold in crawl space;
 - Staff to continue changing air filters until successful contract awarded for renovation works of building in 2022;

- Inspection tour remaining for two childcare centers to confirm scope of work and prioritization for work in 2022 (renovations)
 - Tasiujaq (Qulliapiik): August/September 2021;
 - Puvirnituk (Sarliataurvik): August/September 2021;
 - Kuujjuaq (Tumiapiit): completed and report received;
 - Aupaluk (Sukliateet): completed;
- Aupaluk (Sukliateet) mechanical room renovation:
 - project under review as no successful bid was received;
- Hunter Support Program (RRLPD)
 - Tasiujaq: Community freezer (new 2019)
 - Deficiencies completed by contractor;
 - Umiujaq: Community freezer (new 2021)
 - Freezer has been delivered and project has been completed;
- Puvirnituk: Family House (NV renovation project)
 - Work is on-going and is to be completed by December 2021;
- Puvirnituk: Community center (NV renovation project)
 - Construction resumed and shall be completed by December 2021;

7. KRG BUILDING MAINTENANCE

- Daily maintenance:
 - Work to address staff housing and infrastructure heating issues on-going;
- Preventative maintenance inspections:
 - Working to prepare new preventive maintenance tours are on-going;
- KRG Infrastructure work in the region:
 - Works on-going;
 - Courthouse and two (2) multiplex apartment buildings heating systems renovation
 - Reviewing reports and options proposed by the professionals;
- Kuujjuaq: Head office (improvements and upgrades)
 - Plans and specifications being prepared by consultant;



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Vacant

Director

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Administrative Technician

Assistant Director – Infrastructure division

- Administration and management of the Infrastructure division

Project Manager Infrastructures

- Building projects and civil works

Project Manager Civil Works and Infrastructure

- Wastewater systems & buildings

Project Manager Administration

- General management of accounting and administrative aspects of files & managing financial programs

Water Plant Instructor / Team Leader

Project Manager Roads

- Road/paving projects and Rolling Stock

Project Manager Water infrastructure

- Water Plant maintenance construction & renovation
- Drinking water quality follow-up

Project Manager Engineering

- Dumpsite projects (new and refit)

Water Plant Maintenance Instructors (Nunavik rotation)

- Assistance and on-the-job training to municipal operators on operations

Mechanics Instructors (Nunavik rotation)

- Assistance/on-the-job training to municipal mechanics

Project Manager Water infrastructure

- Water plants upgrades and technical assistance

Project Manager Infrastructure

- Civil projects (roads, bridge, drainage, paving)

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Jean Grenier		Coordinator-Nunavik technicians
Robert Ekomiak	rekomiak@krq.ca	Building Maintenance Technicians (Kuujuuaq) <ul style="list-style-type: none">- Maintenance of KRG buildings (police stations, airport terminal and garage, office building, staff housing) and Childcare centers- 2 vacant positions
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Alec Ningiuruvik	aningiuruvik@krq.ca	
Émile Lebel	elebel@krq.ca	NV Building Maintenance Technicians (Nunavik rotation) <ul style="list-style-type: none">- Maintenance of KRG buildings (police stations, airport terminals and garages, office buildings, staff housing) and Childcare centers- Assistance/on-the-job training to municipal building technicians for NV recreational buildings (water plants, arenas, community centers, swimming pools), etc.
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