

VOLUME 65 NUMBER 80

JULY 12, 2025

THE KWAJALEIN HOURGLASS





PHOTOS BY MELISSA DETHLEFSEN

COMMUNITY STARS, STRIPES, AND ISLAND VIBES: KWAJALEIN'S 4TH OF JULY CELEBRATION

HOURLASS REPORT

By Christy Wagon; CYS
Deputy Director

Red, white, and blue took center stage as the community of U.S. Army Garrison-Kwajalein Atoll gathered for an unforgettable Independence Day celebration. Set against the backdrop of palm trees and Pacific skies, this year's 4th of July event delivered family fun, patriotic spirit, and island tradition all in one festive day.

One of the most anticipated traditions every year is the bike decorating contest and parade. Kids proudly pedaled around Emon Beach with their bikes decked out

for the different categories, including Most Patriotic, Most Creative, and Funniest. This year's winners were Aria for Most Patriotic, Bella for Most Creative, and Nora and Clark—an entertaining sister-and-brother duo with Clark riding in a trailer—for Funniest. Winners received Exchange gift cards, along with big applause from the crowd.

The Kid Zone was a bustling hub of activity, laughter, and high-flying fun. With bounce houses and games, children had the freedom to run, jump, and celebrate all afternoon. There was no shortage of entertainment for

the youngest partygoers.

No celebration is complete without good food, and this year's menu didn't disappoint. The grill served up rib plates with potato salad and baked beans, along with the classic hot dogs, hamburgers, cheeseburgers, and slices of pizza. "It's not the Fourth of July without a hot dog!" shared one community member.

Festivity was in the air as families arrived in full red, white, and blue attire, showcasing patriotic outfits, face paint, star-spangled accessories, and even themed sunglasses and socks. The beach area was filled with MWR





a fitting end to the celebration—bold, breathtaking, and unforgettable.

More than just a party, Kwajalein's 4th of July celebration was a reminder of the strength and unity of its island community. Whether bouncing in the Kid Zone,

riding in the bike parade, or watching the sky come alive with fireworks, community members came together to celebrate freedom, fun, and fellowship.

From all of us in time zone one, Happy Independence Day! ⚡



tents, picnic blankets, and lawn chairs as attendees settled in for the day.

Live music and DJ sets kept the energy high throughout the afternoon and into the evening. From reggae to upbeat dance tracks, the playlist had something for everyone. "The music was incredible—every song felt like summer," said one parent relaxing under the tent.

After the sun slipped below the horizon, anticipation mounted for the grand

finale—Kwajalein's legendary fireworks show, proudly presented by Premier Pyrotechnics. A countdown echoed across the beach, and with the first beat of Katy Perry's "Firework" blasting through the speakers, the sky erupted in color. Set to a rousing soundtrack of patriotic hits, brilliant bursts lit up the night and shimmered across the lagoon's surface for twenty minutes, drawing cheers and applause from the crowd. The spectacular display was





PHOTOS BY ANDREA GALLEGOS

PHOTOS THIS PAGE: The community on Roi-Namur enjoys the Fourth of July celebrations in style.





E-wareness: Protected Species

- All corals and sponges
- All sharks, turtles, and marine mammals
- All birds, except common sparrow
- All giant clams and coconut crabs
- Finger/scorpion conchs
- Black-lip pearl oysters
- *Trochus* and *Lambis* snails
- Humphead wrasse and bumphead parrotfish
- Giant grouper and coral trout

ENGLISH

Do not purchase, harvest, collect, or transport protected species. Contact the post office for direction before attempting to ship any biological specimen, including driftwood, crushed coral (sand), and shells. Remember, take care of their habitats, too.

MARSHALLESE

Jab wia, madmod, ae, ak aljek men ko emoj baroki. Kurlok Post Office nan bok melele ko mokta jen jibadbad in ijileklok men ko bwinnid, einwot kejo-ka in wojke, bok im libbukwe ko. Kememej im bar kejbaroke pelaakier kab mejatoto eo ie.



EARN YOUR TEAM KWAJ TAB!

Front Cover: Beach fireworks view by Sherman Hogue

Back Cover: Patriotic bike decoration by Sherman Hogue

The Kwajalein Hourglass is named for the insignia of the U.S. Army's 7th Infantry Division, which liberated the island from the forces of Imperial Japan on Feb. 4, 1944. The Kwajalein Hourglass is an authorized publication for military personnel, federal employees, contractor workers and their families assigned to U.S. Army Garrison-Kwajalein Atoll.

Contents of the Hourglass are not necessarily official views of, or endorsed by, the U.S. Government, Department of Defense, Department of the Army or USAG-KA. It is published Saturdays in accordance with Army Regulation 360-1.
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Local phone: 480-5169

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PHOTOS BY CHRISTY WAGNON

ABOVE: Where the Wild Things Are cast and crew. BELOW: Emmy Tamayo with face paint in the audience.

COMMUNITY OFF-BROADWAY COMES TO KWAJALEIN: SAC CHILDREN PERFORM WHERE THE WILD THINGS ARE

HOURLASS REPORT

By Christy Wagon; CYS
Deputy Director

The Kwajalein Children and Youth Services School-Age Center (SAC) summer camp program transformed CRC 6 into a theater of imagination, creativity, and joyful chaos as children performed *Where the Wild Things Are* for Creative Arts Week. The production, inspired by Maurice Sendak's beloved picture book, was introduced with flair by Miss Denise, who served as theatrical guide. "It's an off-Broadway show," she quipped, "really off-Broadway—about 7,600 miles south of the Gershwin

Theatre in NYC!"

In *Where the Wild Things Are*, a mischievous boy named Max is sent to his room for causing trouble. There, he imagines sailing away to an island where wild monsters make him their king. But despite the thrill of ruling over beasts that "gnashed their terrible teeth and roared their terrible roars," Max longs for home and eventually returns to where someone loves him best of all. The story, known for its minimal text and rich visuals, was chosen for its accessibility to young performers and its potential for creativity in staging and costume design.

The lead role of Max was brought to life by Maxson Bell, who described his favorite moment as "when the monsters gave me the crown and scepter." The *Wild Things* were performed by Anastasia King, Max LeSage, Marcus Orion King, Elias Caro, and Mateo Caro. Elias and Mateo not only acted but also helped with the artistic direction, particularly in designing monster costumes that were more playful than frightening—an intentional choice to keep the show welcoming for their younger audience from the Bako classroom.

As the lights dimmed, the Bako children—faces paint-





“Definitely the dragon!”

One humorous moment came during costume rehearsal when Miss Denise handed out masks and the children asked, “What do we do with this?” They were surprised to learn the masks were to be worn on their heads rather than on their faces—a creative puppetry twist that added charm to the characters.

Stephanie Brown, SAC’s Education Specialist, reflected on the broader purpose of the project. “I was inspired by Miss Denise, who has been a master puppeteer. I thought this would be a great way to introduce SAC kids to the world of theater,” she said. “We wanted them to have fun and learn something new.”

In early childhood education, experiences like this are rooted in the concept of scaffolding—the educational approach of providing just enough support to help children master new skills, then gradually remov-

ing assistance as they gain confidence. Over the week, children developed skills in cooperation, public speaking, fine motor arts, and imaginative storytelling. This project culminated in a public performance—a classic example of a culminating event, where the work of many days comes together in a moment of cele-

proud.”

The production of *Where the Wild Things Are* reminded all in attendance of the power of creativity and community. It was more than a performance; it was an educational journey brought to life by the hands and hearts of children. ▴

ed like friendly monsters by teachers Miss Linda John and Miss Katy Hensley—settled in alongside proud parents to watch the imaginative adventure unfold. Miss Denise encouraged everyone to growl, roar, and gnash along with the monsters, creating a lively, interactive atmosphere. Audience member Oliver Williams declared, “The boat was my favorite part, and the dragon was the coolest monster!” Coraline Way agreed:



bration and pride.

“Everything you saw on that stage,” Miss Denise said, “the kids built it themselves—the props, the costumes, the characters. I couldn’t be more

PHOTOS THIS PAGE: Aurora Lesage in face paint; Max Lesage in costume; Maxson Bell as “Max”; and the cast & crew rehearse.





PHOTO BY MELISSA DETHLEFSEN

COMMUNITY

BEHIND THE BANGS: THE FIREPOWER AND PRECISION BEHIND KWAJALEIN'S 4TH OF JULY FIREWORKS SHOW

• HOURGLASS REPORT

By Christy Wagon; CYS Deputy Director

As you might imagine, putting on a fireworks show in the middle of the Pacific Ocean takes more than just a spark of creativity—it requires months of coordination, international logistics, and a whole lot of patience. Fortunately, for Khaleb Maarbani, PR Manager of Elite Fireworks in Sydney, Australia, and his experienced crew, much of the heavy lifting is handled by Premier Pyrotechnics, the contractor who ensures the dazzling display reaches Kwajalein in time for the island's Independence Day celebration. From securing and organizing the fire-

works in the warehouse, to labeling and carefully loading them into containers for shipment, the process is a logistical feat.

Once the fireworks arrive on Kwajalein, the crew from Elite Fireworks step in to bring the show to life. They provide the boots-on-the-ground manpower, using electronic firing systems, tools, and expertise to stage the display safely and spectacularly. But getting the team on site hasn't always been smooth sailing. In 2024, their flight didn't arrive until July 3rd—a stressful 24 hours before showtime was both a mental and physical challenge for the team. It's now agreed across the board—get



PHOTO BY OANA NEAGU

the crew in early. That buffer gives the team time to shake off jet lag, prep the setup properly, and ensure the show is both memorable and safe.

Upon arrival, Elite Fireworks inspects every single firework to make sure they weren't damaged in transit. With Kwajalein's unpredictable weather, that's not a minor detail. "Luckily, each one is packed in a plastic bag before being boxed in cardboard," said Maarbani. "We had what, three or four downpours the day of this year? It's a good thing they were in plastic bags."

Next comes the technical side: building the "shoot list" which is a sequence of fireworks arranged for launch from start to finish. Each firework is connected to an electric igniter, plugged into a firing system. "We use a U.S. system that holds 32 shots per rail," Maarbani explained. "Once we've filled one rail, we move to the next. We place four rails per barge." Each cue on the system may launch a single firework, or several, so while there were 300 shots in

the 2025 Kwajalein show, the number of visible explosions is far greater.

Safety is paramount. Mobile phones are strictly prohibited, as their static electricity could accidentally trigger a launch. The team also avoids working during thunderstorms for the same reason. The safety framework is built on New South Wales, Australia regulations, adapted for Kwajalein's environment, with the local fire department contributing additional safety oversight. "I've been with Elite Fireworks since 1997," Maarbani said proudly. "And we've never had a safety incident. We enjoy what we do, and we want others to enjoy it too" That is a lot easier when nobody gets hurt.

From the audience, the show may seem chaotic—especially when it looks like the barge is on fire. But as Maarbani explained, that's often just residual embers. There's always a breeze on Kwaj. Sometimes a spark catches a finished firework, but the shoot order is designed with

that in mind. The last firework placed is the first to go off, so by the end of the show there's nothing live left on deck to ignite.

After the final bang, the crew waits 10 to 30 minutes for everything to cool down. With fire extinguishers in hand, they cautiously inspect the setup. "We check every single cake, every tube, look-

ing for the small brown burn mark that shows it fired," said Maarbani. Any that didn't launch are soaked in water for 24 hours before being safely disposed of.

What's it like to watch the fireworks from the barge itself? "Time stands still," Maarbani said. "Thirty seconds feels like an eternity, and everything moves in slow mo-



PHOTO BY OANA NEAGU



IT'S KITTEN SEASON

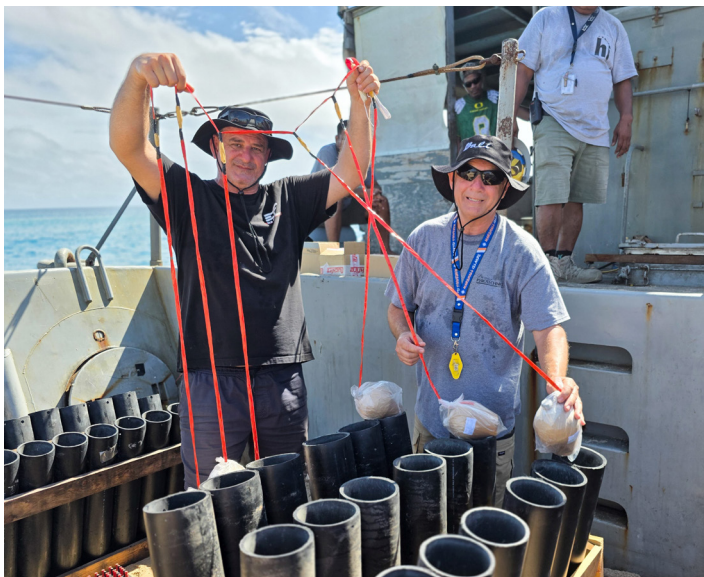
Interested in Adopting a Kwaj Cat?

Call **480-2017** or stop by the **Vet Clinic** to inquire and gather the paperwork.

Foster Parents also wanted!

Call or Email us your information if you would like to become a Kwaj Cat foster parent!

kwajvetclinic@acuityinternational.com



tion.” Over the years, technicians learn to steady their heartbeat, stay calm, and even take a moment to enjoy the show unfolding above them. But one thing never changes: “That tingle in your tummy—the butterflies you get a minute before the show begins,” he said. “You’re anxious, excited, and just waiting to press the button and make

sure it all works.”

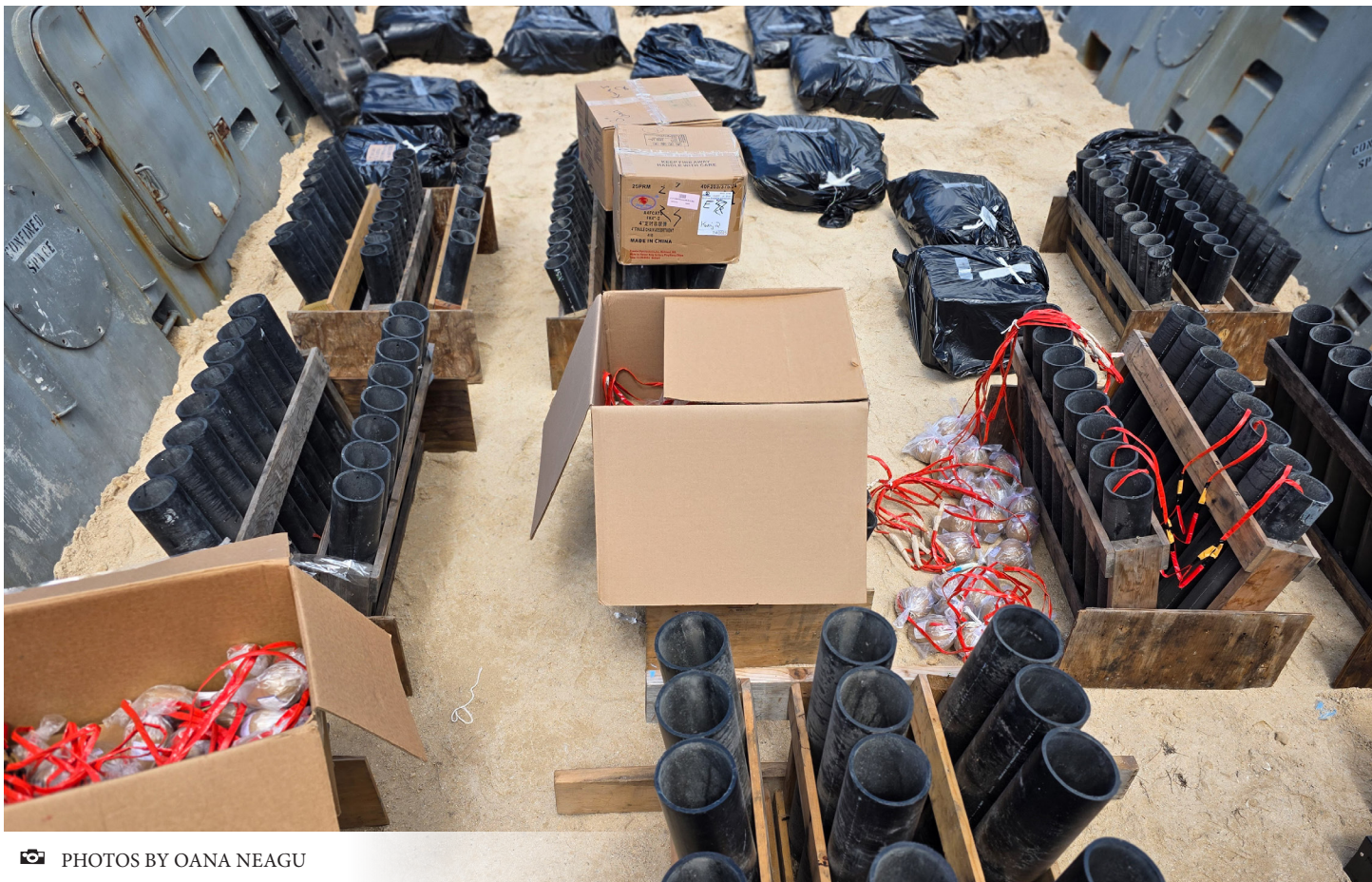
Running the show requires a minimum of two people: one focuses on rhythm and show execution, the other on safety, ready to call a halt if anything goes askew. It’s a balance of adrenaline and control, precision and showmanship.

Luckily, Emon Beach offers the perfect venue. “Whoever

chose that spot—good on you!” Maarbani said with a smile. The wind always blows into the lagoon, so the smoke drifts away from the crowd.

As the final sparks faded and the crowd cheered, the oohs and aahs proved once again that no 4th of July is complete without fireworks. Thanks to the tireless work of V2X point of contacts

Scott Hill, Kevin Robertson, and Orlando Garcia, Elite Fireworks, and Premier Pyrotechnics, Kwajalein celebrated Independence Day with another unforgettable show—safe, spectacular, and straight from the heart of the Pacific. ▼



PHOTOS BY OANA NEAGU



PHOTO BY MELISSA DETHLEFSEN

COMMUNITY

KEEP LEARNING ALIVE THIS SUMMER: FUN IDEAS FOR KWAJ KIDS

HOURLASS REPORT

By Dr. Amy Blakey, Superintendent, Kwajalein School System

Summer on Kwaj is all about adventure—bike rides, reef walks, cookouts, snorkeling, and spending time with family. But while students are recharging after a busy school year, their academic skills can quietly slide. Research shows kids can lose up to two months of progress over the summer, especially in reading and math.

The good news? Keeping kids engaged academically doesn't have to mean hours of worksheets or screen time. With just 30 minutes a day of simple, meaningful activities,

students can stay sharp—and have fun doing it.

• Keep Them Reading

Experts recommend 15–20 minutes of reading a day to maintain fluency and comprehension. Let kids read what they enjoy—graphic novels, cookbooks, even game manuals count!

Ideas to try:

- Read aloud as a family, even with older kids.

When I was growing up, my mom read to us nearly every night—even well into junior high and high school. It's one of my fondest memories. We'd all pile into the living room or cuddle up in bed and get completely wrapped

up in a book. Some of our favorites were *The Chronicles of Narnia* by C.S. Lewis, *The Borrowers* by Mary Norton, Shel Silverstein's poems, and *The Littles* by John Peterson. Those stories became part of our family rhythm and something we all looked forward to.

- Create a "Kwaj Reading Challenge" with silly goals like "Read under a palm tree" or "Read to your pet."

- Take books to the beach or on the ferry—just 10 minutes here and there adds up!

Free resources:

- EPIC! Digital Library – <https://www.getepic.com/>
- Storyline Online – <https://www.storylineonline.net/>

- Open Library – <https://openlibrary.org/>

• Keep Them Writing

Writing builds thinking, creativity, and communication. The best writing happens when kids don't realize they're doing "school."

Fun ideas:

- Start a summer journal with stories, drawings, or jokes.

- Let kids write postcards to family and friends—or a deployed loved one.

- Create a "Kwaj Guidebook" with maps, wildlife lists, and top snorkeling spots.

- Use story prompts like: What if jellyfish could talk?

Free tools:

• Scholastic Story Starters – <https://www.scholastic.com/teachers/teaching-tools/student-activities/story-starters.html>

• Journal Buddies – <https://www.journalbuddies.com/>

• Keep Math in the Mix

Math doesn't have to come from a workbook. Kids can practice everyday math just by living life on Kwaj.

Try this:

- Cook together and have kids double or halve a recipe.

- Graph tide changes or the number of reef fish spotted on a snorkel.

- Create a mini "Kwaj store" at home with real budgeting, price tags, and change-making.

Free math sites:

• Prodigy Math Game – <https://www.prodigygame.com/main-en/>

• Khan Academy Kids – <https://learn.khanacademy.org/khan-academy-kids/>

• Cool Math 4 Kids – <https://www.coolmath4kids.com/>

• Make it Manageable

You don't need a rigid schedule. A simple "10-10-10" plan works wonders:

- 10 minutes of reading

- 10 minutes of writing or creative thinking

- 10 minutes of math or logic games

That's 30 minutes a day—and it really adds up over the summer.

• Learn from the Island

There's no better classroom than Kwajalein itself. Count hermit crabs, estimate distances on bike rides, write poems about the ocean, or learn the names of reef fish. Help kids look at the world around them with curiosity—and they'll keep learning without even realizing it.

We're so proud of the growth our students have made this year. Let's keep the momentum going by making learning part of our everyday lives this summer.

If you have a great learning moment, photo, or story, send it my way—I'd love to feature our amazing KSS fam-

ilies in an upcoming Hourglass spotlight.

Enjoy every moment of summer, stay safe, and we'll see you in August for a great back-to-school kickoff!

• Sidebar: Top 10 Free Summer Learning Resources for Families

Keep your child engaged this summer with these fun, free, and family-friendly tools—perfect for all ages and easily accessible from Kwaj:

• Reading

1. Storyline Online – <https://www.storylineonline.net/>

2. Open Library – <https://openlibrary.org/>

3. EPIC! – <https://www.getepic.com/>

• Writing

4. Scholastic Story Starters – <https://www.scholastic.com/teachers/teaching-tools/student-activities/story-starters.html>

5. Journal Buddies –

<https://www.journalbuddies.com/>

• Math

6. Prodigy Math Game – <https://www.prodigygame.com/main-en/>

7. Cool Math 4 Kids – <https://www.coolmath4kids.com/>

8. Khan Academy Kids – <https://learn.khanacademy.org/khan-academy-kids/>

• All-in-One Enrichment

9. PBS Kids – <https://pbskids.org/>

10. National Geographic Kids – <https://kids.national-geographic.com/>



UNITED STATES ARMY
CHILD & YOUTH SERVICES

Kwajalein Island Trash & Recycling

Residential Trash Collection

480-1760

Yard Vegetation Collection

480-1890

Hazardous Waste Pickup Line

480-8858



TRASH & RECYCLING PICKUP SCHEDULE

The Green Residential TRASH receptacles are collected every **Tuesday and Friday**.

The blue RECYCLE bins are also collected every **Tuesday and Friday**.

The large black General Solid Waste Community Containers are emptied on Monday, Wednesday, Thursday, and Saturday.

Safety First! Please keep any curious children away from the Compactor Truck as it feeds contents into the truck.

Recyclable materials are also collected by both *solid waste* and *horizontal maintenance personnel*, in conjunction with general trash collection. Currently the island only recycles glass, aluminum, metal, and bulk organic materials. **Cardboard and plastics are not recycled materials on Kwajalein.** These items should be placed into the general trash stream for disposal/incineration.



Residential users will be given a **green trash** receptacle and a smaller **blue receptacle** for recyclable materials. It is requested that residences place their recyclable items into the blue containers, and stack larger materials next to the bins. Lawn clippings and leaves should be bagged and placed next to bins. Palm fronds and coconuts should also be stacked up next to the bins for removal by horizontal maintenance personnel.

EARN YOUR TEAM KWAJ TAB

1. Attend Col. Cannon's TEAM KWAJ brief (either Teammate or Community version), read and adhere to the TEAM KWAJ Teammate Pact, presented at initial town halls, and periodically thereafter.

2. Attend the Island Newcomer's Briefing.

3. Attend at least one group greeting at air terminal for personnel arriving on island. Make them feel welcome and show them we are happy they are on Kwaj with us.

4. Attend at least two garrison after-hours team-building or social events (TEAM KWAJ Happy Hour, Commander's Call, Hail/Farewell).

5. Attend at least two TEAM KWAJ PT/Wellness sessions. Become a regular attender!

6. Visit Marshallese Cultural Center in last 3 months prior to tab award.

7. Visit Ebeye, Third island or Majuro in last 3 months prior to tab, use a Marshallese phrase or two and visit a store/restaurant.

8. Tell three co-workers how to earn the TEAM KWAJ tab.

9. Swim, snorkel, boat or paddle on the lagoon at least once with a teammate.

10. Complete the TEAM KWAJ Circle-island 6-mile ruck march/walk/bike and read all historic battlefield markers. This is an organized USAG-KA hosted event several times per year.

11. Mission Partner wild card event—discuss with your supervisor any additional organizational requirement. Could be knowledge-based, achievement-based, or physical challenge.

12. Final event, "Board of Review" — meet with Col. Cannon face-to-face individually or in a small group with all requirements fulfilled. Schedule with garrison front office. Discussion items may include but are not limited to; TEAM KWAJ pact - "Healthy Community of Excellence," Kwaj history, Marshallese culture, military/strategic missions and their significance, and future operational potential.

Once you have the first 11 items completed, contact Terri Wilson at 480-4322 or at terri.l.wilson20.civ@army.mil to set up a date/time with the commander for the final event.



Check out more news and entertainment about Kwaj life on the USAG-KA YouTube Channel, at <https://www.youtube.com/USArmyGarrisonKwajaleinAtoll>.

FOLLOW US AT THESE LOCATIONS



Click QR Code to jump to social page

Kwajalein



MIA Project

NEVER FORGET.

<https://kwajaleinmiaproject.us/>

COMMUNITY CLASSIFIEDS

Submit Announcements to the Roller Channel and The Kwajalein Hourglass

OPEN CALL FOR ANNOUNCEMENTS
The island community is invited to submit listings for events and for sale items; announcements; department trainings; safety updates; public service messages; and thank-you messages.

Preparing Your Message

For questions about your messaging, please reach out to the USAG-KA Public Affairs Office at 480-4848.

Ads should always include a point of contact, phone number and/or email address.

Private parties, fundraisers and events requesting and/or accepting donations are typically not allowed for publication per AR 360-1. Fundraisers and support activities for private and schools-based organizations, scouting groups, civic clubs and other listings may be subject to a legal counsel review to determine their eligibility for publication.

Formatting Your Listings

It is recommended that graphical advertisements

and announcements intended for the Hourglass and the AFN Roller Channel be formatted as PowerPoint slides.

Graphic designers are asked to maintain a generous margin (.75-1-inch) around all sides and to size fonts no smaller than pt. 20.

If your Roller Channel advertisement requires a special expiration date, please note this for the Roller team in the body of your message.

Deadlines for Submissions

Send advertisements for the Kwajalein Hourglass and the AFN Roller Channel to kwajaleinhourglass@gov2x.com on Wednesdays by close of business/Thursday morning.

Roller Channel ads are accepted on a rolling basis by 4 p.m. for a mid-week and late-week update. Ads received after 4 p.m. will be loaded in the next update. Please ensure you submit ads in good time to ensure timely upload.

For more information, reach out to the USAG-KA Command team through the USAG-KA Facebook page.

ANNOUNCEMENTS

AFH Construction Is Ongoing. Nan, Inc. Construction is scheduled to commence the telecommunication scope of work for the Kwajalein Army Family Housing project in our community. Residents and commuters should be aware of possible changes in traffic patterns and to plan their routes accordingly. Nan, Inc. Construction is committed to minimizing any inconveniences, and we will strive to ensure a smooth and efficient construction process.

ArMA. Log in to ArMa, the Army Maintenance Application, to report issues for all buildings maintained by the Department of Public Works. Contact Public Works at 480-3550.

CAC Office. Before your visit to the Common Access Card Office, ensure all paperwork is completed by your human resources representative before making an appointment. Bring two forms of government-issued IDs with you. Walk-in appointments are welcome, but there may be a wait. CAC Office Hours, Bldg. 835, are Tuesday – Saturday, 8 a.m. – 4 p.m.; (Lunch: noon - 1 p.m.). Call 480-8496.

Demolition at the Capt. Louis S. Zamperini Dining Facility. Phase three of the Zamperini DFAC demo has begun and is projected to be finished March 2026 for the dining and serving area. Be careful around the dining facility during the phases.

Do Not Take Cultural Artifacts. It is illegal to remove cultural resources from the atoll. This includes any protected species, unexploded ordnance, WWII-era artifacts and ancient Marshallese artifacts. These resources are protected under U.S. federal and RMI law. Contact the Kwajalein Archaeology Office at 480-8867.



Contact the USAG-KA Sexual Harassment/ Assault Response and Prevention Victim Advocate

Chief Warrant Officer 2 Nate Elkins
SHARP Victim Advocate
Work: 480-0660 or 480-3421
USAG-KA SHARP Pager:
808-580-3241
DOD SAFE Helpline: 877-995-5247

Emergency Management. Visit the USAG-KA Emergency Management webpage, <https://home.army.mil/kwajalein/index.php/my-fort/EM>; 2) Click on "Mass Notification"; 3) Follow the registration instructions.

E-Wareness: It is each driver's responsibility to ensure vehicles are not leaking fluids other than air conditioning condensate. Call 911 to report spills and arrange with automotive for routine maintenance. Please call Environmental at 480-0722 with questions. Ej an ri-kator eo eddo non lolorjake bwe wa eo ejjab leak jabdwot oil ijelak in drennin air condition eo jen wa eo. Ne elon jabdwot leak/lutok in oil jen wa eo, Kiir 911 non report- e lutok eo. Ak kiir Environmental ilo 480-0722 non kajitok.

Fire Safety Tips. Some pets are chewers. Watch pets to make sure they don't chew through electrical cords. Pets are curious. They may bump into, turn on, or knock over cooking equipment. Keep pets away from stoves and countertops. Make sure pets are included in your family's fire evacuation plan. Build an evacuation kit for each pet in your household.

Flights. Please note that all flights are subject to change. For the latest update on your flights on United, ATI or Air Marshall Islands: ATI: 480-2169; AMI: 480-3469; United: 480-4852 or 1-800-UNITED1; Air Terminal Services: 480-2660; Flight Information Recording: 480-3589

UA Schedule Effective Now: Monday and Friday—UA 155 (HNL); Check-in 2 – 4:50 p.m.;

Wednesday—UA 133 (HNL); Check-in 2 – 4:15 p.m.; Tuesday and Saturday—UA 154 (GUM); Check-in 10:45 – 11:15 a.m.

FlyRoi Reservations. To schedule reservations and for correspondence related to flights, email LCVKwajaleinFlyRoi@versar.com.

How to dress in the RMI. Out of respect for the Marshallese culture, residents are asked to dress appropriately when visiting Ebeye, Third Island, or anywhere within Kwajalein Atoll. Women should wear clothing to cover shoulders and knees. None are permitted to wear shorts when visiting churches on Ebeye. Men should wear long slacks to church.

Kwaj Small Boat Marina hours are 7:30 a.m. – 6 p.m. Friday through Monday, and on holidays, excluding Thanksgiving and Christmas. Morning boat reservation times are from 7:30 a.m. – noon. Afternoon boat reservations are from 1 – 5 p.m.

Not Feeling Well? Call 480-2223 to make an appointment for a COVID-19 test, Tuesday through Saturday from 7:30 a.m. – 4:30 p.m. If you are not feeling well, please wear a mask when you are around others in the community.

Operational Security. See something, say something. All employees on USAG-KA are required to receive annual Threat Awareness and Reporting Program training provided by KRO; Reporting: Report suspicious activities to the Kwajalein Resident Office at 480-9859/1293/8006 at Bldg. 1163.

PCS & Vacation Tips. Notify the post office before leaving for 30 days or PCS'ing. Per DOD 4525.6-M, mail is only allowed to be held for 30 days with or without prior notice. Mail is considered unclaimed on day 31 and will be returned to the sender. Email the post office to authorize pick up for your mail and packages. When PCS'ing, provide a forwarding address. Contact James Smith with questions at 480-3461 and james.e.smith2295@army.mil.

Salon Walk-Ins. Surfside Salon Walk-In Appointments are available on Fridays from 1:30 - 6 p.m.

Smoking. USAG-KA, smoking is permitted in designated smoking areas only. Smoking and cigarette butt receptacles must be at least 50 feet from the entrance of facilities.

Taxi Service. Call 480-TAXI (8294) or 3341 to

HELP WANTED

For employment with contractors
within the
U.S. Army Garrison - Kwajalein Atoll
please check
contractor company
websites
for employment opportunities.

book your ride at least 24 hours in advance of check-in time.

Millican Family Pool Hours. Closed for cleaning on Thursdays. Open noon to 5 p.m. Tuesdays, Wednesdays, Fridays and Saturdays. Open 11 a.m. to 5 p.m. Sundays and Mondays.

The NEC Testing Center Is Open to the Community - Giving you the head start you need to thrive! - Open Tuesday through Saturday by appointment
Authorized Pearson VUE Test Center. Schedule A test Today!
NEC testing Center, 480-4344, FN 1008-131
ACUITY International

Kwajalein / Roi Namur Licensing
Classes on Kwajalein are every Wednesday @0900 Marshallese @1245 Expats (by appointment only as class side is limited)
Classes are in Bldg. 856 Rm 101, Vehicle Maintenance Compound
Roi classes every 2nd Friday in Bldg. C, timed based on flight schedule
No registration needed for Roi classes.
To register, send email to either of the following:
Audrey.Hughes@gov2x.com
Wilson.Kaisha@gov2x.com
...or stop by Bldg. 856, Rm 101





**OPSEC
IS NOT
RETROACTIVE.**

**THINK BEFORE
YOU SHARE
INFORMATION.
ONLINE AND OFFLINE.**



Like and share @USArmyOPSEC

KWAJALEIN HOSPITAL

Helping the community navigate healthcare needs after-hours with RN4U NURSE LINE:

RN4U NURSE LINE:
480-RN4U(7648)



What is RN4U?

RN4U is an after-hours nurse line designed to promote patient safety and appropriate use of emergency services. The on-call nurse is available to assist in determining the level of care needed.

When is RN4U After-Hours Nurse Line available?

Tuesdays - Saturday from 1630-0730,
Sundays & Mondays: 24 hours
(excluding Garrison Holidays)



For medical emergencies please dial 9-1-1 immediately

For non-urgent clinic questions during normal business hours,
please call the hospital at 480-2223



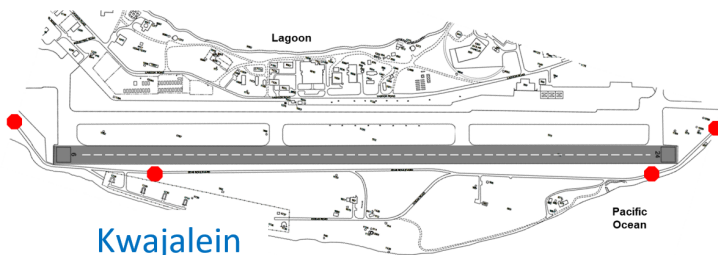
KWAJALEIN & ROI NAMUR,

STOP FOR AIRCRAFT!!

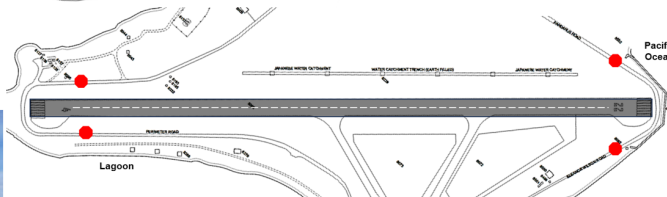


Please remember to stop and look both ways for aircraft on:
Zeus Blvd., Ocean Rd., Perimeter Rd., Pandanus Rd., Eleanor
Wilson Rd.

**If aircraft are on approach or taking off, you must hold your
position and wait!**



Roi Namur



Stop at designated signs and look for aircraft landing or taking off. If you see an aircraft, hold your position at the stop sign and wait until the aircraft has landed or departed before moving.

**PUBLIC NOTIFICATION
IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER**

Kwajalein Drinking Water Total Trihalomethanes (TTHMs) Maximum Contaminant Level (MCL) Exceedance

The Kwajalein drinking water system recently exceeded a drinking water standard. This incident is not an emergency. However, public notification is required to meet the requirement in the USAKA Environmental Standards (UES). The information below is a summary of cause of non-compliance and actions taken to ensure drinking water quality.

- Testing results from the second quarter of fiscal year 2025 (2QFY25; January – March 2025) show the Kwajalein Island drinking water system exceeded the standard or MCL, for the TTHMs locational running annual average (LRAA) at three locations.
- The MCL is determined by averaging the results of samples collected at each sampling location for the past four quarters. The MCL for TTHM LRAA is 0.080 mg/L.
- The LRAA concentrations exceeded the standard at 0.081 mg/L, 0.082 mg/L, and 0.092 mg/L.

What should I do?

- Nothing. You do not need to boil your water or take other corrective actions.
- If you have any specific health concerns, consult your doctor.

What does this mean?

- This is not an emergency!
- TTHMs are four volatile organic chemicals which form when disinfectants, such as chlorine, react with natural organic matter in the water.
 - Per the Environmental Protection Agency, some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidney, or central nervous system, and an increased risk of cancer.
 - Short term exposure has not been shown to lead to adverse health effects.
 - Potential exposure to Kwajalein personnel is considered short term due to the limited time the MCL has been exceeded.

What is being done?

- The Kwajalein Island water system includes a Granular Activated Carbon (GAC) filter system, which treats the entire Kwajalein drinking water supply to remove naturally occurring organic compounds before the water is disinfected with chlorine reducing the resulting TTHMs to minimal levels.
- An investigation revealed an unexpected degradation of the adsorption capability of the GAC system.
- Scheduled replacement of the spent carbon in the GAC system is currently in progress.

For questions, please contact Environmental Services at 480-0722.



MELELE KO RAUROK KIN DREN IN IDRAAK EO

Jonan Total Trihalomethanes (TTHMs) ilo dren in idraak eo ilo Kwajalein ekar le jen jonak eo emoj an kien karoke (MCL)

Dren in idrak eo ion Kwajalein emoj an la ilon in standard eo an dren in idrak. Joraan in ejjab juon idin. Botab, karon jukjuk in bed in ej juon requirement ilo USAKA Environmental Standards (UES) me ej aikuj komane. Ilal ej melele ko ikijien likjab in im ta buntan ko emoj ejaki non bobrae likjab in.

- Result in taaj ko jen kuwata 2 eo an iio in 2025 (2QFY25; January - March 2025) ej kwalok ke dren in idrak eo ion Kwajalein emoj an la ilon in kakien eo, ak jonok ko (MCL non TTHM locational running annual average (LRAA) at three locations..
- Jonok eo, ak MCL non TTHMs LRAA ej 0.080 mg/L eo me ej walok jen sample ko emoj boki jen jikin ebok sample ko jen kuwata ko 4 remootlok. Ilo MCL non TTHM LRAA ej 0.080 mg/L.
- Jonan level in LRAA emoj an tobar jonak eo emoj korake ej 0.081 mg/L, 0.082 mg/L, im 0.092 mg/L..

Ta eo kwoj aikuj in komane?

- Ejelok men kwoj aikuj komane. Kwojjab aikuj boil i dren eo ak komane jabdrewot.
- Ne kwoj loe ke ewor jabdrewot naninmij ejelt ejmour, kebaak tokto.

Ta melele in?

- Ejjab emergency ak menin idin.
- TTHM ej emen volatile organic chemicals ko im rej walok ne jej kojerbal jerajko non karreo dren in idraak,
 - o Jen Environmental Protection Agency, jet armij ro rar idraak dren in bedbed ioon trihalomethanes ekoba MCL ilo elon yio remaron melele lok kin jorren kein nan aj im kidney ak naninmej in cancer.
 - o Ilo to kadru in ejannin wor joraan ewalok ejelet ejmour.
 - o Kakolkol ko rej walok non armej in Kwajalein ej bed wot ilo ien eo ekadru ilo jokjok in emoj an MCL eo ela jen jonak ko..

Te eo emoj komane?

- Jikin dren eo ioon Kwajalein in ej kakobaik GAC jikin liklik eo, eo im ej liklik im kare-oik aolep drenin draak ioon Kwajalein in im bareinwot jabalak im jolok aolep kij ko mokta jen an dren ko liklik kon chlorine nan kadriklok TTHMs nan jonon eo edrik.
- Ilo etale im katak kake ej kwalok wawein ko ma rejab alikar ikijeen driklok in an GAC system eo baur men ko.
- Scheduled in koman oktak nan spent eo ilo GAC system eo ej bok jikin kio maan lak

Ne elon am kajitok, jouj im kurlok Environmental Services ilo 480-0722.



Water Source

The U.S. Army Garrison - Kwajalein Atoll (US-AG-KA) operates drinking water systems on Kwajalein, Roi-Namur, and Meck Islands. Collected & treated rainfall accounts for the majority of the water supplied in all three systems. Additionally, Kwajalein and Roi-Namur have extensive groundwater well systems to supplement the water supply during periods of low rainfall or drought. When necessary, Kwajalein can barge treated water to the other islands, supplementing their drinking water supplies.

Rainwater is the preferred source of water due to its purity and ease of collection. Kwajalein Atoll averages more than 100 inches of rain a year. The runway and aircraft taxiways on Kwajalein, Roi-Namur and Meck are sloped to drain toward collection sumps that pump raw rainwater to storage tanks for treatment. Rain that falls on the island, but is not collected or diverted to storm drains, percolates through the coral sands of the islands and forms a thin layer (or lens) of fresh water floating atop the saltwater which flows through the islands. The lens is less than 10 feet below the surface. This water is tapped by unique horizontal wells called lens wells installed in the centers of both Kwajalein and Roi-Namur Islands where the lens is thickest. The lens well water is pumped and filtered by a Reverse Osmosis (RO) system. Following a 2008 storm event and the resulting saltwater infiltration to the fresh-water lens, USAG-KA installed the RO filter on Roi-Namur. This unit makes it possible to treat water with high salinity. Four additional lens wells were installed on Roi-Namur in 2012 and 2013. Baseline monitoring for these wells began in 2014 and finished in 2017.

Granular Activated Carbon (GAC) filtration units are used on Roi-Namur and Meck to filter treated water before it enters the distribution system. A similar unit was installed on Kwajalein in February 2021. All three of the USAG-KA drinking water systems use direct filtration processes to remove harmful particles, dirt, and algae from the water. Kwajalein, Roi-Namur, and Meck installed advanced filtration plants in 1990, 1996, and 2001, respectively. These automated filtration plants employ enhanced mixing, flocculation, and turbidity removal in absorption clarifiers followed by mixed media filters. The turbidity, or cloudiness, of the water entering the plants is monitored continuously and treatment chemicals are adjusted automatically to provide maximum filtering. Following filtration, the water is disinfected with chlorine and placed in covered tanks called 'clearwells' where it is pumped to the distribution system based on consumer demand. Fluoride is added to the treated water on Kwajalein to promote dental health.

The rainwater catchments and the shallow freshwater lens are very sensitive to contamination from spills. Because of this, tight restrictions are placed on airfield activities and a spill prevention program is in place to avoid contamination. Potential sources of contamination are fuel spills from aircraft and vehicles, leaks from sewage lines or septic tanks, and improper management of hazardous materials, wastes, and petroleum products.

ENGLISH
U.S. Army Garrison Kwajalein Atoll

2024 Water Quality Report



**Published by
V2X
for U.S. Army Garrison
Kwajalein Atoll
June 2025**

The 2024 Water Quality Report is published in accordance with the USAKA Environmental Standards, which establishes drinking water criteria and requires suppliers to provide drinking water quality information to their customers. It is important that our customers know all the facts about USAG-KA's drinking water. This report, issued each year, includes test results, source water descriptions, an overview of the treatment process and other valuable information relating to the quality of our installation's drinking water supply. If you have any questions regarding this report or your drinking water, contact the Liquid Systems Manager, Stan Jazwinski at 480-4400, or Environmental at 480-0722.

EWOR UKOK IN REPORT IN ILO KAJIN MAJOL (Notice to all Marshallese):

Naan in jiron kein rej kwalok melele ko raurok kin dren in idrak eo ilo USAG-KA in. Ewor ukok in report in ilo kajin majol. Kir lok Environmental Department eo ilo 480-0722 kin melele ko relap lok.

We are pleased to report the drinking water provided by USAG-KA consistently meets or exceeds the established water quality standards (with exceptions noted on the following page) and is, therefore, safe for consumption.

The Utilities Department collects over 10,000 samples annually to ensure water quality. Drinking water regulations require all public water supply systems to test for a variety of contaminants in drinking water. For many of the contaminants, the U.S. Environmental Protection Agency (EPA) has set enforceable standards for the maximum amount of contaminants allowed in drinking water. These standards are based on possible health effects of consuming the water. The standards are known as maximum contaminant levels (MCLs) and are published as national primary drinking water regulations.

MCLs are set at levels where no significant health effects would occur if water was consumed for an entire lifetime. In other words, a person would have to drink 2 liters of water every day at the MCL for a lifetime to have a one-in-a-million increase in the chance of having the described health effect. MCLs are set by the EPA, and then adopted by USAG-KA through the USAKA Environmental Standards (UES). The UES adopts MCL standards at least as stringent as EPA, and in some cases it has adopted more stringent standards. The UES requires USAG-KA to sample as if the size of the served community was 10,000 people. This increased sampling helps to further ensure safe drinking water.

The EPA and the UES also set Action Levels (AL). An AL is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements for water systems. Examples of contaminants subject to an AL include Lead and Copper.

Water served by USAG-KA is tested by the Utilities Department, the Kwajalein Hospital, and by the Defense Centers for Public Health in Aberdeen, Maryland. Also, routine examinations of treatment plant performance are conducted, the distribution systems are routinely tested, and groundwater is tested for saltwater intrusion (which helps manage the thin groundwater lens by protecting it from being mixed with the saltwater on which it floats).

The Utilities Department works hard to provide top quality water to every tap. Please help us protect

our water sources by using good water conservation practices and by using effective spill prevention.



Reverse Osmosis



**Granulated
Activated Carbon
Filters**

Important Health Information

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency Safe Drinking Water Hotline at 800-426-4791.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as those with cancer undergoing chemotherapy, recovering from organ transplants, or living with HIV/AIDS and other immune system disorders can suffer negative effects. Some elderly and infants can also be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. USAG-KA is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead. For more information, contact the V2X Environmental Department at 480- 0722.

Per/Poly-Fluoroalkyl Substance Monitoring

Per/Poly-Fluoroalkyl Substances (PFAS) are a large group of man-made chemicals used in a broad array of consumer products and industrial processes. Manufactured since the 1940s, PFAS are resistant to heat, oils, stains, grease, and water. Therefore, these properties make them especially advantageous for use across a wide range of applications in many global industries, and are also why certain levels of these chemicals are persistent throughout the environment. PFAS residuals are present in nearly all industrial sites throughout the world, including Kwajalein Atoll. Most Americans have detectable levels in their bloodstreams.

In April 2024, the EPA promulgated drinking water standards for two PFAS chemicals; perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate acid (PFOS). A MCL of 4 ppt and a MCLG of 0 ppt for each chemical became effective in June 2024. The finished water from the Kwajalein, Roi-Namur, and Meck water systems were sampled in CY 2024 and the results were below the MCLs. The

results had only one detection of PFOA at 0.74J ppt and one detection of PFOS 0.63J ppt at the Kwajalein Water Systems. The "J" qualifier means it is an estimated value below the laboratory method's limit of quantification.

Monitoring Total Colliform and E. Coli

Level 1 assessments were triggered at the Kwajalein Public Water Systems on 30 January, 23 April, and 1 June 2024 due to positive total coliform (TC+) and/or Escherichia coli (E. coli) results. A Level 1 assessment is triggered when more than one positive TC+ and/or E. coli result occurs within the same month. A Level 2 assessment is triggered when more than one Level 1 assessment is triggered within a 12-month period. Since there were three Level 1 Assessments triggered within a 12-month period, Level 2 Assessment were required. It is important to note each incident required repeat samples collected immediately after the positive results and the repeat samples were negative for TC+ and E.coli. Therefore, there were no exceedances of the drinking water standard.

In February 2024, the Army Public Health Command-Pacific conducted a Level 2 Assessment of the Kwajalein Public Water System to identify possible causes and corrective measures to address the false positive results. The assessment recommended more appropriate sample site locations and the hiring of certified operators as corrective measures to prevent false positive results. Additionally, the US Environmental Protection Agency indicated they would be visiting USAG-KA in the future to evaluate the public water systems. After the June 2024 incident, there were no positive results through the remainder of 2024.

Water Quality Monitoring

USAG-KA routinely monitors for constituents in your drinking water according to the UES and DEP for Drinking Water Treatment. Depending on the specific contaminant, the UES may require weekly, monthly, quarterly, annual, biennial (2 year), triennial (3 year), quadrennial (4 year), and novennial (9 year) sampling intervals. The table on the right shows the most recent information on contaminants detected for the period of Jan 1, 2024 to Dec 31, 2024. If the contaminant is not listed in the table, results were below the minimum detection limit (MDL).

The following parameters were monitored during 2024:

- Aesthetic Constituents and Sodium
- Disinfection Byproducts [Total Trihalomethanes (TTHM) and Five Haloacetic Acids (HAA5)]
- Volatile Organic Chemicals (VOCs)
- Total Organic Carbon (TOC)
- Nitrate/Nitrite Combined
- Pesticides and Synthetic Organic Chemicals (SOCs)
- Inorganic Chemicals (IOCs)
- Lead and Copper

Test Results

To better understand the terms and abbreviations in the table below, the following definitions are provided:

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Inorganic Contaminants - Contaminants of mineral origin such as metals and salts.

Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water.

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are not regulatory limits.

Microbiological Contaminants - Very small organisms, such as bacteria, algae, plankton, and fungi.

Minimum Detection Limit (MDL) - The smallest quantity of a substance that can be detected by the analytical instrument.

Not Tested (NT) - Testing was not performed for this contaminant during the specified calendar year.

Nephelometric Turbidity Units (NTU) - The unit of measurement for the cloudiness or haziness of water.

Organic Contaminants - Naturally occurring or synthetic substances containing mainly carbon, hydrogen, nitrogen, and oxygen.

ppm - Parts of contaminant per million parts water. **ppb** - Parts per billion. **ppt** - Parts per trillion.

Treatment Technique (TT) - An enforceable procedure that drinking water systems must follow in treating water for primary contaminants.

Substance (Unit of Measure)	MCL	MCLG	Kwajalein	Roi-Namur	Meck	Standards Met?	Possible Source
ORGANIC CONTAMINANTS							
THM (ppb) ^a	80	0	73.75 (13-159)	45 (3-78)	16 (0-32)	Yes	By-product of drinking water chlorination.
HAA5 (ppb) ^a	60	60	29 (0-51)	11 (1-16)	3 (0-8)	Yes	By-product of drinking water chlorination.
PFOA (ppt) ^c	4	0	0.63	0	0	Yes	Aqueous Film-Forming Foam (AFFF) used in firefighting applications
PFOS (ppt) ^c	4	0	0.74	0	0	Yes	Aqueous Film-Forming Foam (AFFF) used in firefighting applications
INORGANIC CONTAMINANTS							
Barium (ppm) ^b	2	2	0.004	0.002	0.007	Yes	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride (ppm) ^b	2	2	0.29	0.20	0.36	Yes	Erosion of natural deposits; Water additive which promotes strong teeth (Kwajalein only); Discharge from fertilizer and aluminum factories.
Lead, ppb 90 th percentile value ^c (# of times AL exceeded)	15 (AL)	0	1.5 (0)	1.9 (0)	<MDL (0)	Yes	Corrosion of household plumbing systems; Erosion of natural deposits.
Copper, ppb 90 th percentile value ^c (# of times AL exceeded)	1300 (AL)	0	88 (0)	140 (0)	23 (0)	Yes	Corrosion of household plumbing systems; Erosion of natural deposits.
RADIOLOGICAL PARAMETERS [Shown in units of picocuries per liter (pCi/L)]							
Gross Alpha Particle Activity ^d	15	0	-0.484	-0.405	-0.320	Yes	Erosion of natural deposits.
Radium-226 and Radium-228	5	0	5.6E-02	1.3E-01	8.3E-02	Yes	Naturally present in environment.
Gross Beta Particle Activity ^d	50	0	1.29	2.80	2.12	Yes	Decay of natural and man-made deposits.
Tritium	20,000	0	-2.9E+001	-5.9E+001	6.4E+001	Yes	Naturally present in environment.
Strontium-90	8	0	0.249	0.332	0.457	Yes	Widely dispersed in the environment as a result of global nuclear activity.
MICROBIOLOGICAL CONTAMINANTS							
Coliform Bacteria ^e (Positive samples/month)	TT	N/A	4	0	0	Yes	Naturally present in environment.
<i>E. coli</i> ^e (Positive samples/month)	TT	N/A	3	0	0	Yes	Naturally present in environment.
TURBIDITY							
Turbidity (NTU) ^f	>95% ≤0.3	100%	100.0%	100.0%	100.0%	Yes	Soil runoff
	1	0	0	0	0	0	

Table Notes:

a - Under the Stage 2 Disinfection Byproducts Rule (DBPR) for THM and HAA5, systems must report the highest Locational Running Annual Average (LRAA) and the range of quarterly results (for all locations).

b - Testing for inorganic contaminants (with the exception of lead and copper) is on a three-year cycle. Results shown are from 2024 testing. Next sampling will occur in 3QFY27.

c - Compliance for lead/copper is determined by the 90th percentile values (the AL for lead/copper is exceeded if the concentration in more than 10 percent of tap-water samples collected during any monitoring period is higher than the AL). The 90th percentile value and the number of sampling sites exceeding the AL (in parentheses) are shown.

d - Gross alpha/beta results shown are from 3QFY24. Gross alpha is required every two years; gross beta is required every three years. USAG-KA samples for both every two years. Next sampling will occur in 3QFY26. Note that Radium-226 & Radium-228 results are from 3QFY2018. Values may be negative due to both the low radioactivity of the sample and the calculations prescribed in the analytical method (EPA 900, SM 306, SM 303, ASTM D 5174, etc.).

e - Each water system is tested weekly for coliform bacteria and *Escherichia coli* (*E. coli*) at multiple sampling sites. In the event of a positive result, repeat samples are taken within 24 hours at the original site and upstream and downstream from the original site.

f - Turbidity levels must be less than or equal to 0.3 Nephelometric Turbidity Units (NTUs) in at least 95% of monthly samples and shall at no time exceed 1 NTU. For 2024, the lowest monthly percentage for compliance with >95% and the highest monthly count for samples exceeding the 1 NTU limitation are shown.

g - Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate Acid (PFOS) are manmade chemicals used in consumer products and industrial processes that are highly resistant to degradation and they bioaccumulate in the environment. In April 2024, the EPA established a MCL at 4 ppt and MCLG at 0 ppt for each chemical. Water systems must comply with regulation by 2029. The "J" qualifier in the results means it is an estimated value below the laboratory method's limit of quantification.

Bold and highlighted indicates an exceedance in the MCL, MDCL, or AL.

The polyacrylamide used at USAG-KA (Superfloc N-300) as part of the drinking water treatment operations is certified by the National Sanitation Foundation as complying with the requirements for percent monomer and dosage as contained in the UES and 40 CFR 141.111.

Ia Eo Ej Itok Dren Jen E

Dren in idrak eo ion USAG-KA in ej itok jen dren in wot eo emoj ae ion Kwajalein, Roi-Namur, im Meck. Dren in wot ko emoj ae, wunoiki, im kebooje nan aer jerbal ilo ene kein jilu. Ilo ien mora ak anonean, ewor aiboj lal ko relap ilo Kwajalein im Roi Namur im rej kojerbali non ien rot kein. Ilo ien aikuj, Kwajalein emaron bar kanne barge kin drenin drak im jilkinlok nan aeto ko jet rej aikuji.

Dren in wot ej dren eo eman tata nan kojerbal ilo USAG-KA itok wot jen an bidodo ae im erre. Ilo juon yio, Kwajalein ej loe tarin 100 inij in wot. Jikin jook an baluun ilo Kwaj, Roi-Namur im Meik rej rejbal nan ae dren in wot. Jen ijon, dren in ej pump lok non tank kan im kottar non ien liklik im komat. Jabdrewot dren in wot ko rejjab collect ilo jikin jook ko an baluun, im rejjab bar drebdreb ilo storm drain ko, rej drebil lok im pepe ion dren in salt, eo ej peddejake aolepen enne kein. Dren in ej drebdreb ilo jikin ko naeter lens well, ko emoj likiti ilo iolap in Kwajalein im Roi-Namur. Lens well kein rej pump jeni im kojerbal kein liklik ak reverse osmosis. Emoj kelaak reverse osmosis ilo Roi-Namur ilo 2008 elkin kar koto im ekar koman an dren in salt dreton ilo lens well ko. Unit in ekoman an bidodo aer treat i dren ko im elap aer salt. Rekar bar kob 4 aiboj lal ilo Roi Namur ilo 2012 im 2013. Jerbal in etale im bukot jonak ko rej aikuj loori (baseline monitoring) renaj jino koman ilo aiboj lal kein ilo 2014 im kotmene bwe en bojrak ilo 2017.

Filter unit ko ak kein drebdreb etoon ko naetan Granular Activated Carbon (GAC) rej jerbal ion Roi-Namur im Meck nan bour etton ko ilo dren eo mok-ta jen an etal nan jikin komman dren eo. Ewor juon unit kaal emoj kolaake ilo Kwajalein February 2021. Aolep jikin koman dren kein jilu ilo USAG-KA rej kojerbal jokjok in likilik dren eo rej nae etan direct filtration process nan karreoki dren jen etoon im kij ko. Rekar kelaak kein liklik dren ilo enne kein ilo: Kwajalein 1990; Roi-Namur 1996; im Meck 2001. Kein liklik dren in idrak eo ej karreo im kojerbal jerajko non mane kij im jabdrewot etoon ko ie mok-ta jen likiti ilo tank ko naetaer "clearwells", ijo rej bed ie non tore eo jej aikuji. Rej bar kobaik fluoride nan dren nan kakajoor ni.

Ijoko rej ae dren in wot im aiboj lal rejjab mulal (rejjab mulal lak jen 10 ne) rebidodo an kare dren eo ne elon lutok. Emenin aurok bwe en wor buntan ko kab jokjok ko rej walok elane enaj wor lutok ko rejidrimkij an men ko rekauwotata, einwot fuel, oil, gas im bare-inwot kwobej ko rekauwatata im petro-leum products.

MARSHALLESE
U.S. Army Garrison Kwajalein Atoll

2024 Water Quality Report



Published by
V2X
for U.S. Army Garrison
Kwajalein Atoll
June 2025

Ilo 2024 Water Quality Ripoot eo ej koman ekkar non kakien ko emoj karroki ilo USAKA Environmental Standards (UES) eo, eo ej kamelet bwe ro rej leto-le-tak dren in idrak (aiboj) ren loori jonak ko emoj karroki im bareinwot tilmake melele ko raurok non ro rej idrak jen aiboj eo. Ilo melele kein, ebareinwot koba result in teej ko, jikin ko aiboj in ej itok jeni, im wawein process e aiboj in, im bar melele ko jet. Elap an aurok bwe ro rej idrak jen aiboj in ren jela im melele kin aiboj eo rej idrake jen USAG-KA. Elane ewor am kajitok ak abnono kake melele kein ilo ripoot in ikkijeen aiboj eo kwoj ilimi, jouj im kebak e lok Stan Jazwinski ilo 480-4400, ak komaron in bar bojrak lok ilo Utilities Department eo elane jab, ekwe call e Environmental ilo 480-0722.

EWOR UKOK IN RIPOOT IN ILO KAJIN BELLE:

Naan in karon kein rej kwalok melele ko raurok kin dren in idrak eo ilo USAG-KA. Ewor ukok in ripoot in ilo kajin belle. Kir lok Environmental Department eo ilo 480-0722 kin melele ko relap lok.

Emenin utiej buru non kwalok ke dren in idrak eo letok in USAKA ej tobare jonok ko emoj karroki non dren in idrak kin men in, ejjelok uwota ilo ilimi dren eo jen aolep bojet in dren in idrak ko.

Aolep yio, Utilities Department eo ej boke tarin 10,000 sample in dren in idrak eo ilo USAG-KA in non lolorjake bwe tiljek in komane aiboj in jej idrak jene en erre. Kakien ko rej kipel bwe ro rej leto-le-tak dren in idrak ren teej e dren eo non lale ewor ke jabdrewot men ko retoon ie, ko me remaron in bed ilo dren in idrak eo. Result in teej ko an dren ko rej bedbed wot ion jonak ko emoj an U.S. Environmental Protection Agency (PA) eo karroki. Jonak kein rej naetaer Maximum Contaminant Levels ak MCLs.

MCLs ko rej bedbed wot ion jonak ko me rejjab maron in kwalok naninmij non armij. Juon armij emaron idraak e ruo liter in dren ilo aolepen mour eo an im jab naninmej jen e, ak emaron lon an juon mottan juon million ien bwe en ione naninmij. Jonak kein rej itok jen EPA innem USAG-KA ej loori ikijen USAKA Environmental Standards (UES) ko. UES kein rej bedbed ion karrok ko an MCL, im jet ien emaron laplok aer pen jen karrok ko an EPA. UES kein rej bareinwot konan bwe USAG-KA en komman jonan jambol ekkar nan an maron lelok nan 10,000 armej. Jonan lap im jambol in enaj jiban elon armej im kokmanmanlok drenin drak eo.

Emoj an EPA im UES karrok jet bunten ko naetan Action Level (AL). AL in ej jerbale non lale jonan etoon ko ilo dren eo, bwe ne relaplok jen jonak eo emoj karroke innem renaj aikuj in treat i im karre-oik dren eo ekkar nan kakien ko. Waan jonak in etoon ko remaron loi ej enwot lead im koba (copper).

Utilities Department, USAG-KA Hospital, im Defense Center eo nan Public Health ilo Aberdeen, Maryland ej droulul ko jilu rej teej e aiboj in idrak eo ion USAG-KA. Ibben jikin jerbale kein jilu, USAG-KA ej bareinwot make etale tiljek in an jikin kein koman dren eo jerbale, koman teej ko remakijkij non lolorjake erre eo an dren in idrak eo ej driwojlok, im bareinwot lale bwe jool en jab tobare aiboj lal eo.

Jikin koman dren eo ej jerbale non letok dren in idrak eo etiljek im erre. Jiban kejbarok dren in idrak eo nimed. Jukjuk in bed in ad, mour kein ad, kab an ro nejid rej bedbed ion kejbarok in am. Bok koman; kejbarok dren in idrak eo ilo wawein ko rekkar.



Reverse Osmosis



**Granulated
Activated Carbon
Filters**

Melele Ko Raurok Ikkijeen Ejmour

Aolep dren in idrak ko, ebar kobalok dren ko ilo bato ak plastic ko, emaron in wor jijidikdik in men ko retoon ie. Ijo wot ke, elap an aurok bwe jen kemejmej bwe mene ewor men kein retoon ilo dren in idrak eo jej ilimi, ejab melele in ke jemaron in naninmij jen dren eo. Kir lok Environmental Protection Agency Safe Drinking Water Hotline (800-426-4791) non boki melele ko relaplok.

Aolep dren in idrak ko (ko im rej itok jen bojet im ko ilo bato in aiboj) rej itok jen reba, lake, streams, ponds, reservoirs, springs im aiboj lal. Ilo an dren emakitkit ion enne ak ilo bulon lal, ej koba lak jet minerals ie, jet ien ej lon baijin ko jen radioactive material eo im ej itok jen menin mour ko ak armej. Ewor jet armij emojno anbwini. Armij rein aolep ewor aer naninmij enwot cancer im rej chemo, ekar koman jen aer mwijmwij, ak mour in HIV/AIDS im ro ewor aer naninmij jiron im likao remaron jab jelet er. Rit-to im bareinwot ninnin ko naninmij in emaron bar bed ibeir. Armij rein rej aikuj in kebaak jikin takto ko aer im bok melele. EPA/ CDC guidelines ko kin infection in cryptosporidium im kij ko jet rej bed ilo Safe Drinking Water Hotline.

Elane elap im lon lead enaj komman joreen ko relap nan ejmour, ekka an bar walok nan kora ro rej bororo im ajiri jiddrik ro. Lead ko ekkar aer walok ilo dren in idraak ko rej itok im walok jen pipe ko inabojen im iloan imoko jej jokwe ie. Ej an USAG-KA eddo nan kotoor im lewaj dren in idraak eo erre, ak ejjab maron in loe, etale, jela im edoiki kain men drikdik ko rej dreloni im bed iloan pipe ko. Elane dren ko ilo pipe ko renaj etolok aer toor ilo kotoan eo aetok, kwomaron in komman bwe kwon jab joreen jen lead koi lo am kotoore im kadriwojlok jen bojet eo am iuumin 30 second ko lok nan 2 minute ko mokta jen am naj kojerbal dren eo nan idraak ak komman mona kake. Elane ewor am uwota im inebata kin lead ilo dren eo kwoj aikuj in etale mokta. Melele ko jet kin lead ilo dren in idraak ko, kilen im wawein etale, im bunten ko nan jolok im kadriklok joreen ko nae dren ej alikar ilo Safe Drinking Water Hotline ak ilo www.epa.gov/safewater/lead. Nan melele ko jet, jouj im kir lok V2X Environmental Department ilo 480-0722.

Per/Poly-Fluoroalkyl Substance Monitoring

Per/Poly-Fluoroalkyl Substances (PFAS) are a large group of Per/Poly-Fluoroalkyl Substances (PFAS) eo ej juon kamikol koba ippen dren eo im armij make ekar ejaake im kojerbale im ej jerbal einwot juon kamikol eo ekka am kojerbale. Ekar koman jen yio ko mokta lok einwot 1940s ko, PFAS remaron jerbal nan jelmae meneen, oil, elajo, kurij, im dren. Kon menin, kamikol in ekar ejaak im elap an aurok ibelakin lal in ilo kajojo jikin kamikol ko, im ej bareinwot un eo unin an lukun aurok nan kajojo jukjuk in bed. Kamikol in an PFAS ej bed ilo kajojo jikin jerbal ko ibelakin lal in, koba ioon Kwajalein Atoll. Bwijin riAmedaka moj loe ke kamikol in ej bed ilo iaal in botoktok ko aer.

Ilo kar April 2024, EPA eo ekar kalikar ke drenin idraak ko rekar ekar jonok im liklik er ippen ruo iaan PFAS kamikok; PFOA innem kab PFOS. Ilo MCL jonok eo an 4ppt im ilo MCLG jonok eo an 0ppt rekar jet jonok ko raar ekar ilo kamikol kein ruo innem ekar bok jikier ilo June 2024. Dren ko rekar moj kajejjot er ioon Kwajalein, Roi-Namur, im kab Meck ilo jikin dren ko rekar jet sample ilo CY 2024 im drelokok in jonok ko rekar bed ilal in MCLs eo. Ilo jonok moj etali rekar loe ear wor 0.74Jppt PFOA im 0.63J ppt in PFOS

ilo jikin dren eo ioon Kwajalein. "J" ne ej jutak kon melele in emoj an jikin katak kake eo kab jikin etale eo loe ke ejejot

Etale jonan Coliform im E.Coli

Labol 1 in etale eo ekar walok ilo jikin dren eo Kwajalein ilo kar 30 January, 23 April, im 1 June itok wot jen an wor positive (TC+) im/ak walok lum (E.coli). Ne ej wor labol 1 in etale eo ej konke elon lak jen juon alen an walok TC+ im/ak wor lum ilowaan wot juon alon. Labol 2 eo ej bok jikin elane labol 1 in etale eo ej ejaak im walok ilowaan wot 12 alon aetokin. Konke ekar wor jilu etale in labol 1 eo im ekar walok ilowaan wot alon kein 12, etale im jerbal ko an labol 2 rej aikuj bok jikier. Elap an aurok nan komejajaik jerbal in etale kein ien eo emokajtata ne ej wor positive im sample ko rej aikuj bojak elane jet iaer ekar negative nan TC+ im lum. Kon menin ekar ejjelok alikar nan drenin in idraak ko.

Ilo February 2024, jikin ejmour eo an Army Public Health Command-Pacific ekar wonmanlok im komane jerbal ko an ilo etale eo an Labol 2 ilo jikin dren eo ioon Kwajalein nan an maron komane jet jonok ko rejimwe im jejjot nan kajeon bobrae result ko im renana. Wawein katak kake eo ekar lukun aikuj kein jerbal im rijerbal ro im ewor aer melim im jonok nan komane jerbal in im kajeon kalikar im bobrae jen an walok jonok ko rejab jimwe im jejjot. EPA eo an US ekar bareinwot kwalok an itok limoin nan an maron loe tok USAG-KA nan bok jonok kon an jikin dren eo an. Tokelikin wawein eo ekar walok ilo June 2024, ekar ejjelok tok im kio positive in E.coli ilo dren ko im kar eindrein maanlok ilo kar 2024.

Water Quality Monitoring

USAG-KA ej teej e im etale dren in idrak eo kwoj ilimi non lale ewor etoon ke dren eo, ekkar non kakien ko ilo UES eo im DEP nan Drinking Water Treatment. Ekkar non jonan etoon ko ilo dren in idrak eo, UES enaj letok ien etale. Ewor etoon ko jej teeji elikin juon wiik, juon allon, juon kuwata, juon yio, ruo yio, jilu yio, emen yio, kab ruatim-juon yio. Jaat in ilal ej kwalok melele ko ikkijeen men ko retoon rar bed ilo dren in idrak eo ion USAG-KA in ilo kotan in January 1, 2024 non December 31, 2024. Elane etoon kein rejjab walok ilo jaat in, melelein ke rar bed ilal in jonak ko redriktata emoj karroki ak minimum detection limit (MDL).

Ijin ilal ej lajra kin men ko rekar teeji im etali ilo 2024:

- Aesthetic Constituents and Sodium;
- Disinfection Byproducts [Total Trihalomethanes (TTHM) and Five Haloacetic Acids (HAA5)]
- Volatile Organic Chemicals
- Total Organic Carbon (TOC)
- Nitrate/Nitrite Combined
- Pesticides and Synthetic Organic Chemicals (SOCs)
- Inorganic Chemicals (IOCs)
- Lead and Copper

Tarlep in teej ko rej kemlet bwe dren eo ion USAKA emon non idrak

Non jiban yuk melele ken naan in kamelele ko aer ilo jaat in ilal, errein ej melele ko emoj kollaajraki:

Action Level - AL in ej jermal non lale jonan etoon ko ilo dren eo, bwe ne relaplok jen jonak eo emoj karroke innem renaj aikuj in treat i im karreoik dren eo ekkar nan kakien ko.

Inorganic Contaminants - Etoon in mineral im ej itok jen aen im jool

Maximum Contaminant Level - Jonak eo ilontata ikkijeen etoon ko rej walok ilo dren in idrak ko im emoj an EPA karroke.

Maximum Contaminant Level Goal - Jonak in etoon in dren in idrak eo im ejjab jelet ejmour eo an armij. MCGLs ej nan kakkol wot ak ejjab rubwe jonak ko emoj an EPA karroki.

Minimal Detection Limit (MDL)- Jonak ko redrikdrik im rej loi ne rej kojerbal kein teej dren eo. Microbial Contaminants- Etoon im kij ko ejjab maron loi einwot bacteria, algae, plankton im fungi. NT - Rar jab tej e - rar jab koman kakolkol in tej nan contaminant in.

Nephelometric Turbidity Units (NTU)- Jonak eo rej kojerbal nan measure e lim in dren eo.

Organic Contaminants - Kij ak etoon kein ekka aer walok ilo koto ko jej emenonoiki einwot carbon, hydrogen, nitrogen, im oxygen.

ppm – jonan mottan in etoon, kij ak chemical ko rej loi iloon million particulates in dren; **ppb** – jonan mottan in etoon, kij ak chemical ko rej loi iloon billion particulates in dren; **ppt** – jonan mottan in etoon, kij ak chemical ko rej loi iloon trillion particulates in dren

Treatment Technique (TT) - Jokjok eo emoj an jejjet kutien nan drinking water system ko bwe ren loore ilo air treat i dren ko nan primary contaminants.

Substance (Unit of Measure)	MCL	MCLG	Kwajalein	Roi-Namur	Meck	Standards Met?	Possible Source
ORGANIC CONTAMINANTS							
TTHM (ppb) ^a	80	0	73.75 (13-159)	45 (3-78)	16 (0-32)	Yes	By-product of drinking water chlorination.
HAA5 (ppb) ^a	60	60	29 (0-51)	11 (1-16)	3 (0-8)	Yes	By-product of drinking water chlorination.
PFOA(ppt) ^a	4	0	0.63	0	0	Yes	Aqueous Film-Forming Foam (AFFF) used in firefighting applications
PFOS (ppt) ^a	4	0	0.74	0	0	Yes	Aqueous Film-Forming Foam (AFFF) used in firefighting applications
INORGANIC CONTAMINANTS							
Barium (ppm) ^b	2	2	0.004	0.002	0.007	Yes	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride (ppm) ^b	2	2	0.29	0.20	0.36	Yes	Erosion of natural deposits; Water additive which promotes strong teeth (Kwajalein only); Discharge from fertilizer and aluminum factories.
Lead, ppb 90 th percentile value ^c (# of times AL exceeded)	15 (AL)	0	1.5 (0)	1.9 (0)	<MDL (0)	Yes	Corrosion of household plumbing systems; Erosion of natural deposits.
Copper, ppb 90 th percentile value ^c (# of times AL exceeded)	1300 (AL)	0	88 (0)	140 (0)	23 (0)	Yes	Corrosion of household plumbing systems; Erosion of natural deposits.
RADIOLOGICAL PARAMETERS [Shown in units of picocuries per liter (pCi/L)]							
Gross Alpha Particle Activity ^d	15	0	-0.484	-0.405	-0.320	Yes	Erosion of natural deposits.
Radium-226 and Radium-228	5	0	5.6E-02	1.3E-01	8.3E-02	Yes	Naturally present in environment.
Gross Beta Particle Activity ^d	50	0	1.29	2.80	2.12	Yes	Decay of natural and man-made deposits.
Tritium	20,000	0	-2.9E+001	-5.9E+001	6.4E+001	Yes	Naturally present in environment.
Strontium-90	8	0	0.249	0.332	0.457	Yes	Widely dispersed in the environment as a result of global nuclear activity.
MICROBIOLOGICAL CONTAMINANTS							
Coliform Bacteria ^e (Positive samples/month)	TT	N/A	4	0	0	Yes	Naturally present in environment.
<i>E. coli</i> ^e (Positive samples/month)	TT	N/A	3	0	0	Yes	Naturally present in environment.
TURBIDITY							
Turbidity (NTU) ^f	>95% ≤0.3	100%	100.0%	100.0%	100.0%	Yes	Soil runoff
	1	0	0	0	0	0	

Table Notes:

a - Under the Stage 2 Disinfection Byproducts Rule (DBPR) for TTHM and HAA5, systems must report the highest Locational Running Annual Average (LRAA) and the range of quarterly results (for all locations).

b - Testing for inorganic contaminants (with the exception of lead and copper) is on a three-year cycle. Results shown are from 2024 testing. Next sampling will occur in 3QFY27.

c - Compliance for lead/copper is determined by the 90th percentile values (the AL for lead/copper is exceeded if the concentration in more than 10 percent of tap-water samples collected during any monitoring period is higher than the AL). The 90th percentile value and the number of sampling sites exceeding the AL (in parentheses) are shown.

d - Gross alpha/beta results shown are from 3QFY24. Gross alpha is required every two years; gross beta is required every three years. USAG-KA samples for both every two years. Next sampling will occur in 3QFY26. Note that Radium-226 & Radium-228 results are from 3QFY2018. Values may be negative due to both the low radioactivity of the sample and the calculations prescribed in the analytical method (EPA 900, SM 306, SM 303, ASTM D 5174, etc.).

e - Each water system is tested weekly for coliform bacteria and Escherichia coli (E. coli) at multiple sampling sites. In the event of a positive result, repeat samples are taken within 24 hours at the original site and upstream and downstream from the original site.

f - Turbidity levels must be less than or equal to 0.3 Nephelometric Turbidity Units (NTUs) in at least 95% of monthly samples and shall at no time exceed 1 NTU. For 2024, the lowest monthly percentage for compliance with >95% and the highest monthly count for samples exceeding the 1 NTU limitation are shown.

g - Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate Acid (PFOS) are manmade chemicals used in consumer products and industrial processes that are highly resistant to degradation and they bioaccumulate in the environment. In April 2024, the EPA established a MCL at 4 ppt and MCLG at 0 ppt for each chemical. Water systems must comply with regulation by 2029. The "J" qualifier in the results means it is an estimated value below the laboratory method's limit of quantification.

Bold and highlighted indicates an exceedance in the MCL, MDCL, or AL.

The polyacrylamide used at USAG-KA (Superfloc N-300) as part of the drinking water treatment operations is certified by the National Sanitation Foundation as complying with the requirements for percent monomer and dosage as contained in the UES and 40 CFR 141.111.



**American
Red Cross**

Service to the Armed Forces

Volunteer Opportunity at Kwajalein Atoll

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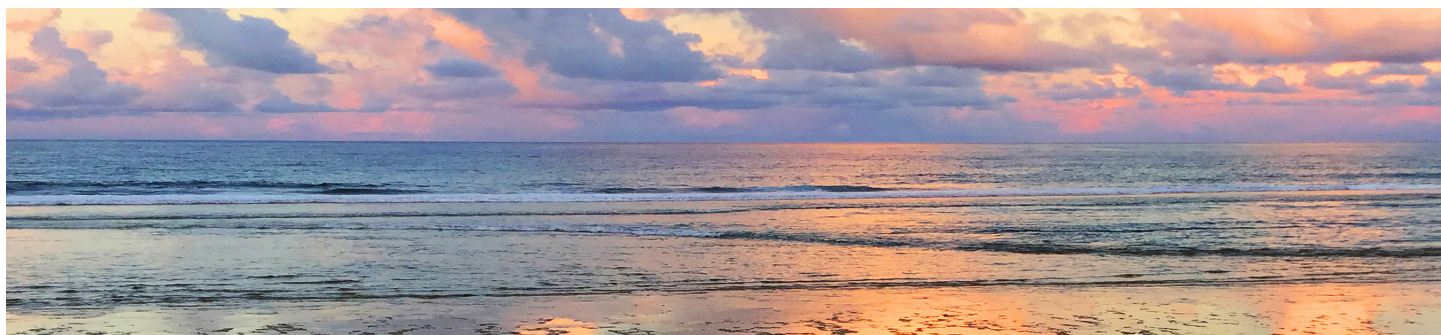
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Let's work together to build a more prepared and resilient community.



Remember the 3-R's of UXO Safety!



RECOGNIZE



RETREAT



REPORT

Unexploded ordnance are munitions that fail to detonate during live fire training. They are **extremely dangerous** and could explode if tampered with, even though the Kwajalein ordnance is 80-years-old.

NEVER touch UXO and report the location of **ANY** suspected UXO to the UXO Team **IMMEDIATELY** at:

Phone: 480-1550/1433

Email: Darren.r.Wheeldon.ctr@army.mil



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Now Showing at the Yuk Theater

SATURDAY, JULY 6
 "Argylle" (2024)
 (PG-13) 139 min.

SUNDAY, JULY 7
 "We Live in Time" (2024)
 (R) 108 min.

SATURDAY, JULY 13
 "Alice in Wonderland" (2010)
 (PG) 108 min.

SUNDAY, JULY 14
 "Saturday Night" (2024)
 (R) 109 min.

SATURDAY, JULY 20
 "Piece by Piece" (2024)
 (PG) 93 min.

SUNDAY, JULY 21
 "Smile 2" (2024)
 (R) 127 min.

SATURDAY, JULY 27
 "Wreck it Ralph" (2012)
 (PG) 101 min.

SUNDAY, JULY 28
 "Here" (2024)
 (PG-13) 104 min.

All showtimes start at 7:30 p.m.



WEEKLY TROPICAL WEATHER THREAT OUTLOOK

RTS WEATHER STATION STAFF

Discussion:

At 10 days into July, we recorded about 2.5 inches of rain, which is only 0.4 inches below normal for the month. So far in 2025, we have only received 22.55 inches of precipitation, which is 11.86 inches below normal for the year. On the scale of Do to D4, Kwajalein Atoll is in Severe Drought D2, which is mainly due to the big deficit early in the year. Conditions remain bad in the northern Ratak Chain to our east, which is currently suffering with Extreme Drought D3, but there has been improvement for the RMI this month so far. As we move toward the middle of July, we enter the heart of the wet season. No days will pass without at least part of the atoll receiving precipitation. Today, the atoll is seeing a bump in shower coverage due to speed convergence of the winds, as we experience unseasonably high winds for the rest of today and tomorrow. This weekend expect increased shower coverage due to troughing (ENE-E-ESE with time) of the winds with late Saturday into Sunday being the wettest for the atoll. Anticipate unsettled wet conditions to continue into the early workweek. Along with the troughing will come an augmented thunderstorm risk due to more favorable upper-level conditions this weekend. The

thunderstorm risk is currently marginal, but will increase into the weekend, as the middle and upper-level state of the atmosphere will be more favorable for lightning development. No thunderstorm days occurred over the past seven days. A thunderstorm day is defined as an "in situ" lightning strike within five miles of the weather station or thunder heard. The Madden-Julian Oscillation (MJO) has become rather stationary with respect to its normal eastward propagation, enhancing convection over the Indonesia and the western Pacific, including the RMI. The Intertropical Convergence Zone (ITCZ) is a bit more fragmented at this time but still offering assistance to trade-wind troughs that come through east to west. This positioning will allow for our normal increased shower coverage for the atoll for the next seven days, with episodic transiting troughs that greatly increase shower coverage. The El Nino Southern Oscillation (ENSO) is in ENSO-neutral conditions. With the end of La Nina, the transition to ENSO-neutral favors increased shower coverage, entering the rainy season. Sea surface temperatures (SST) in the central Pacific between the RMI and the Date Line are now at about normal. Besides increased rainfall, these warming near normal SSTs tend to favor tropical cyclone development, but the RMI is

still outside its climatological peak tropical cyclone season, thus little threat is expected for the rest of July.

Tropical Cyclones:

No significant tropical cyclone activity expected to affect anywhere in Micronesia, the Mariana Islands, Wake Island or Hawai'i. We are now in the tropical cyclone season for the western Pacific, though not quite at its peak. The MJO's phase will act to promote tropical cyclone development for the first half of July over the western Pacific.

Damaging West Winds / Westerly Swell:

None expected. Most of Micronesia is northeast trade wind dominant. There will be some westerly winds over the western FSM, but are not expected to reach the RMI.

Swell / Tide Inundation for Kwajalein Atoll and Wake Island:

The full moon is today with the tightest high tides at 4.6 feet, and diminishing in height on the 15th. Winds today will be in a troughing pattern with an ENE-E-ESE directional change with time, and stay mostly in the upper single digits to low teens and the occasional gusty outflow winds when heavy showers are just off to our east. Winds will recover to the middle teens on Friday and Saturday out of a ENE direction, be-

fore diminishing to the upper single digits, becoming nearly calm at times on Sunday and Monday. The start of the workweek will see winds gradually climb back to the middle teens. There will be gusty winds possible near any heavy showers that occur, particularly if those showers occur off to our immediate east. A Small Craft Advisory (SCA) may be issued for short periods of time on the open lagoon and ocean during instances of gusty outflow. High Surf Advisory (HSA) conditions are not expected for the next seven days.

Purpose: This weekly briefing is delivered Thursday mornings to island leadership. The intention of this briefing is to provide situational awareness of weather events that may interrupt operations and transportation around Kwajalein, to/from Hawaii and Guam, and in the Wake vicinity. The main threat assessed in this brief is existing and potential development of tropical cyclone activity. This brief also provides an outlook of abnormal winds, sea state, and precipitation guidance for next 7 days around the Kwajalein Atoll. The distribution list will also receive updates on any developing tropical cyclone activity in the Kwajalein region that occur between the weekly outlook product. X





25-26 KINDERGARTEN ENROLLMENT

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**SCAN
ME**

WEATHER

RTS WEATHER STATION STAFF

WEATHER DISCUSSION

As the week comes to a close, expect relatively dry and breezy conditions across Kwajalein Atoll, with a transition to wetter weather expected this weekend. Winds will remain moderate to strong out of the NE to E, generally ranging from the mid to upper teens. Passing showers may bring stronger gusts, potentially reaching the upper 20s. Tomorrow, a weakening subtropical ridge to the north may begin to shift the pattern toward wetter conditions. This could allow the Intertropical Convergence Zone (ITCZ), currently to the south, to slowly drift north toward the atoll. As a result, a

slight increase in showers is expected during the day, followed by a more noticeable uptick in showers and thunderstorms from Saturday night into Sunday morning as the ITCZ moves closer. Periods of rain may persist through the weekend and into early next week. While overall wind speeds will gradually decrease into the lower teens, the potential for sudden strong gusts will increase with the growing shower activity.

SATURDAY

Partly sunny with stray to isolated showers. NE-E at 13-18 knots with higher gusts near showers.

SUNDAY

Partly sunny to

mostly cloudy with isolated to widely scattered showers and a chance of stray thunderstorms. NE-E at 11-16 knots with higher gusts near showers.

MONDAY

Partly sunny to mostly cloudy with isolated to widely scattered showers and a chance of stray thunderstorms. NE-E at 10-15 knots with higher gusts near showers.

NEXT WEEK

Partly sunny to mostly cloudy with isolated showers and a chance of stray thunderstorms to begin the workweek, with winds from the E-SE at 10-15 knots with higher gusts near showers. ⚡

SUN-MOON-TIDES

	SUNRISE SUNSET	MOONRISE MOONSET	HIGH TIDE	LOW TIDE
SUNDAY	6:37 a.m. 7:13 p.m.	9:14 p.m. 8:25 a.m.	5:40 a.m. 4.6' 6:06 p.m. 3.5'	12:07 p.m. -0.4' 11:55 p.m. -0.1'
MONDAY	6:37 a.m. 7:13 p.m.	9:58 p.m. 9:18 a.m.	6:15 a.m. 4.6' 6:42 p.m. 3.5'	12:41 p.m. -0.3' -----
TUESDAY	6:37 a.m. 7:13 p.m.	10:40 p.m. 10:09 a.m.	6:51 a.m. 4.5' 7:21 p.m. 3.5'	12:33 a.m. 0.0' 1:16 p.m. -0.2'
WEDNESDAY	6:38 a.m. 7:13 p.m.	11:22 p.m. 10:59 a.m.	7:29 a.m. 4.2' 8:04 p.m. 3.5'	1:14 a.m. 0.2' 1:54 p.m. 0.0'
THURSDAY	6:38 a.m. 7:13 p.m.	----- 11:50 a.m.	8:12 a.m. 3.8' 8:56 p.m. 3.4'	2:02 a.m. 0.5' 2:36 p.m. 0.3'
FRIDAY	6:38 a.m. 7:12 p.m.	12:05 a.m. 12:43 p.m.	9:04 a.m. 3.2' 10:03 p.m. 3.3'	3:01 a.m. 0.8' 3:26 p.m. 0.5'
JULY 19	6:38 a.m. 7:12 p.m.	12:51 a.m. 1:39 p.m.	10:17 a.m. 2.7' 11:29 p.m. 3.3'	4:23 a.m. 1.1' 4:32 p.m. 0.8'

FOR QUESTIONS ABOUT ISLAND LIFE AND ARMY REGULATIONS, PLEASE CALL THE COMMANDER'S HOTLINE AT 480-1098. FOLLOW THE USAG-KA FACEBOOK PAGE TO RECEIVE INFORMATION AND UPDATES REGARDING SAFETY INFORMATION, EVENTS, AND OFFICIAL COMMAND ACTIVITIES.

Until Next Week!

