**ANNOUNCEMENTS**

Check out our website for all updates! SAME Guam Post shirts are for sale.

**SAVE THE DATE**

19 JUL 2018; 15 AUG 2018
SAME Guam Post
General Membership Meeting
Outrigger Guam Resort, Tumon
Every 3rd Thursday of the month

11 AUG 2018
SAME Young Members
Community Outreach
Home Building Volunteer Day
Sagan Bonita, Mangilao

19-21 AUG 2018
SAME Post Leaders Workshop
Bonita Springs, FL

29 SEP 2018
SAME Young Members GAIN Animal Shelter Kennel Repairs, Yigo

15 OCT 2018
Military Engineering Techno Fair,
Ichigaya, Tokyo, Japan

31 OCT - 02 NOV 2018
SAME Federal Small Business Conference
New Orleans, LA

07-09 NOV 2018
SAME Symposium & Vendor Expo
Okinawa, Japan

June General Membership Meeting

**MAIN PRESENTATION**

Contaminants of Concern:
Perfluorooctanoic Acid (PFOA) and
Perfluorooctanesulfonic Acid (PFOS)

Presented by
Oscar Martínez
OTIE, Senior Chemist
21 JUN 2018

**SAME GUAM POST AWARDS**

**Post Service Award**
Tor Gudmundsen
Jecelia Llegado

**Post Outstanding Support Award**
Malou Castro
Chris Arnsfield
Ilana Almquist

**Certificate of Recognition**
Catherine Capati
Hermina Zamora
Dorilyn Pablo

*Not Shown: John Paul Dierking

**Installation Ceremony**
Above: From left, Tor Gudmundsen, Scott Thompson, Ilana Almquist, Eric Marble, Jecelia Llegado, Al Sampson, Norma Borja, Marlene Slomka, SMSgt. Deacon White.

Left: Noel Enriquez swearing in Pete Diaz as the 2018-2019 SAME Guam Post President.

SAME Guam Post or log on to SAME.org & click on “Membership” at the top of the Home Page
Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS) are both fluorinated organic chemicals, part of a larger family of compounds referred to as poly- or perfluoroalkyl substances (PFASs). PFAS are a group of man-made chemicals manufactured for their stain, grease and water resistant properties. PFOA and PFOS have been the most extensively produced and studied of these chemicals. Both chemicals are very persistent in the environment and in the human body – meaning they don’t break down and they can accumulate over time. PFAS uses include non-stick pans, carpets, furniture, household cleaners, shampoo, shoes/ clothing, food packaging, and fire fighting foam.

Fate and Transport

- Highly soluble and migrate from source through runoff and storm water infrastructure to surface water bodies and groundwater into aquifers and drinking water wells
- Absorption pathways: food and water ingestion, inhalation and skin absorption
- Studies have found PFOS and PFOA in 98% of blood samples
- Binds to proteins rather than lipids
- Accumulates in blood serum, kidneys and liver
- Half life of PFOA and PFOS in humans 4-8 years (depending on the study)
- PFOA suggested carcinogen: liver, bladder, prostate, kidney

Regulatory Criteria

EPA has established the health advisory levels at 70 parts per trillion to provide Americans, including the most sensitive populations, with a margin of protection from a lifetime of exposure to PFOA and PFOS from drinking water. EPA’s health advisories are non-enforceable and non-regulatory and provide technical information on health effects, analytical methodologies, and treatment technologies associated with drinking water contamination.

Future Regulatory Considerations

EPA’s Four-Step Action Plan:

1. Evaluate the need for a maximum contaminant level (MCL) for PFOA and PFOS.
2. Designate PFOA and PFOS as “hazardous substances” through statutory mechanisms, and CERCLA Section 102.
3. Develop groundwater cleanup recommendations for PFOA and PFOS at contaminated sites by Fall 2018.
4. Collaborate with federal and state partners to develop toxicity values for GenX (a replacement for PFOA) and PFBS (a replacement for PFOS).

PFAS Remediation Technology

- Soil:
  - Incineration
  - Immobilization
  - Excavation and encapsulation

- Groundwater:
  - Granular Activated Carbon
  - Nanofiltration
  - Reverse Osmosis
  - In-Situ Chemical Oxidation
  - Combined ISCO/ISCR technology under treatment trials
  - Some work published on:
    - Sonochemical Treatment
    - Nanoscale Zero Valent Iron
    - Photochemical Oxidation

DUAL CHANGE OF COMMAND

Naval Facilities Engineering Command (NAVFAC) Marianas and Officer in Charge of Construction Marine Corps Marianas (OIC MCM) held a dual change of command ceremony, June 22, 2018 on Naval Base Guam.

- OIC MCM Commanding Officer Capt. Daniel P. Turner relinquished command to Capt. Joseph L. Greeson, previously the executive officer of NAVFAC Engineering and Expeditionary Warfare Center based in Port Hueneme, California.
- During the second change of command, NAVFAC Marianas Commanding Officer Capt. Stephanie M. Jones relinquished command of NAVFAC Marianas to Capt. Turner.
- Capt. Turner and Capt. Jones were both awarded the Legion of Merit for their exemplary service in their former commands.
- Commander of NAVFAC Pacific Rear Adm. John W. Korka was the guest speaker for the event and praised both Capt. Turner and Capt. Jones for their dedicated service to the Navy and the community.
- Jones is now on her way to Washington, D.C., where she will begin her next assignment at NAVFAC Headquarters as the NAVFAC inspector general.