

Date	Incident Type	Location	Narrative	Lessons Learned/Recommendations
1/10/2018	Property Damage	Alaska	UIC Science employees were moving vehicles in and out of the Warehouse (142), to warm up/thaw them out, to perform periodic maintenance. While reversing a UIC Science owned pick-up out of the warehouse, the driver failed to identify the proximity to an NSF owned vehicle and made contact, causing damage to both vehicles. Other employees were in the vicinity, as were other vehicles. No one was injured in this incident.	The area used was very congested and the driver did not use a spotter or surey the backing route effectively. Investigate other potential locations for staging running vehicles. Remind all employees of the expectations taught in the backing section of the Driver Awareness training
3/15/2018	Environmental	Greenland	A drain line beneath the Big House at Summit Station caused a release to the snow/ice surface. The leak is noticeable approximately 20ft prior to the outlet of the lateral drain line. CPS suspects the leak is caused by differential settlement of snow and stress on a chemically welded flanged joint(s), in the drain line bondstrand. The deflection caused by the differential settlement is apparent in the picture below. FEMCO is aware of the leak, and have materials ready for the adjustment/repair. The leak is intermittent when drains are actively being used. Further investigation/diagnosis will take place once people with the appropriate expertise are onsite.	This will be repaired in the summer season of 2018, once workers are onsite with the required knowledge and skill set to complete the diagnosis and complete repairs. An action will be added to the Corrective Action Log. To follow up post repair with PESH and RSL and inform on root cause and any further findings
3/16/2018	Property Damage	Greenland	On Friday the 16th of March, the Summit Station Mechanic was attempting to raise the snow melter hopper lid (using the fixed mount hand operated winch), to permit filling the tank with snow using the 953D tracked loader bucket. The lid had reached the fully open position, the hopper had been filled with snow, and the Mechanic had commenced lowering when, without warning, the winch internal braking system failed and the hinged lid slammed shut. The lid is estimated to weigh approximately 525 lbs, the winch unit and cable has a minimum breaking strength of 4,200 lbs. Due to previous concerns with this winch system (drawn from the fact that no safe guard exists to protect workers if the winch unit fails), the onsite staff had instigated administrative controls which kept all workers clear of any potential line of fire. When the lid fell, workers were abiding by these practices and no one was injured, nor was there potential for injury. The Summit Mechanic took the winch apart and confirmed the internal winch brake mechanism failure, it is not clear what caused the failure. The entire winch was replaced with an additional, identical unit. A re-design of this system is planned for Summer 2018, to incorporate a counterweight and remove weight from the system. In the interim, conversations are ongoing, to determine safe methods for continued use. This is a critical piece of operating equipment for the station.	No additional action items deemed necessary, onsite team members are already abiding by administrative controls designed to remove them from any line of fire, additionally the re-design is slated for 2018, which will remove all current unacceptable risk
5/11/2018	Environmental	Alaska	On Friday the 11th of May at approximately 6:30 pm, the fire suppression system inside Generator Module 2 at Toolik Field Station discharged. No fire or high temperature condition existed at the time, and the alarm did not sound. No one was injured as a result of this event. The generators are off in Module 2, and the station is currently powered by Module 1 generators. CPS is contacting Arctic Fire and Safety for their assistance.	

5/12/2018	Injury	Greenland	While walking between the S'mobile and Caboose at Summit Station (approx. 30 ft. between the locations), an electrician tripped and fell forward into the corner of the Caboose structure, impacting the left shoulder. The employee did not fall to the ground, and remained upright during the event. The Summit Medic recommended a regimen of non-prescription strength Ibuprofen, and a follow up. High winds had caused drifting in the area and changing conditions in advance of the event	These conditions are common at Summit Station, the Foreman held a meeting with all team members and stressed the importance of situational awareness when drifting has occurred. He also plans to revisit the topic any time these conditions arise over the season.
5/21/2018	Injury	Alaska	A carpenter at Toolik Field Station went out to load some material in the back of stake bed pick-up truck 5475. The truck has metal side rails, and back metal gates that must be lifted out, in order to load. As the carpenter was lifting the left side gate off, pain was felt in the back. The gate was placed down on the ground and the employee attempted to stretch their back out	The components of the truck that require lifting will be engineered to remove the manual lifting step when removing them. Workers in this group are already good at stretching pre-task, this message should be reinforced with all work groups in general.
6/5/2018	Injury	Greenland	A new arrival employee at summit station, was exiting an upper sleep bunk in the caboose after the nights rest. The employee was wearing socks and holding the ceiling mount hand hold to support most of their weight. While using the ceiling mount handhold, the employee lost their balance and swung away from the ladder. While still holding the handhold, and trying to regain balance/control, the right big toe struck the wood frame of the lower bunk. This caused a slight separation between the nail and the nail bed. The medic cleaned and bandaged the wound, and will continue to observe, but no further treatment is needed at this time. No restriction to duty was given as a result of the event	As a result of the event, the team at Summit Station will be placing an additional handle in the bunk area for support, placing grip tape on the steps for traction and assessing other locations for similar hazards.
6/6/2018	Injury	Greenland	A Field Coordinator employee at Summit Station was experiencing mild back pain and approached their Supervisor to report it. Following an interview, it was evident there was no single identifiable cause of the pain, the Field Coordinator is a variable position that involves shoveling, completion of food pulls, as well as clerical and other less physical tasking. The employee visited the clinic and was given over the counter Ibuprofen and a heating pad for the evenings. The back continued to improve and no adjustments were made to tasking. The medic completed a follow up assessment and the employee was given the go ahead to continue working as needed, with the guidance to not perform any task which aggravates the back. The Supervisory staff at Summit are also monitoring the situation, to help prevent any further back pain.	Focus on the following guidance for workers involved in physical activity of any sort. Stretching, both pre-task and periodically during activity. Stay hydrated. Pay attention to early warning signs and seek medical assistance when available. Rely on mechanical assistance when available, use ergonomically sound lifting techniques
6/20/2018	Injury	Greenland	A Cargo Coordinator was building cargo pallets for an upcoming flight period. The employee was lifting large items and twisting to complete the task. Later in the day the employee felt lower back pain. The employee visited the Medic and was treated with a heating pad and over the counter ibuprofen. Pain went away after one day, no restriction to work.	Employees are trained in ergonomic lifting techniques. Stretching is offered and encouraged to the Summit work force. Solutions are being considered to include compulsory stretching in the morning, limits to lifting weight of a certain limit and the consideration of abilities when assigning tasks

6/23/2018	Injury	Greenland	A Mechanic was parking the 953 Machine when they fell from the cab, catching their right hand on the machine in the process. The employee heard a pop in their hand and felt pain instantly. Once on the ground, the employee looked at their hand and noticed the third finger on their right hand looked deformed. The Mechanic pushed their finger back into a correct orientation and the pain went away. The Medic advised them to take over the counter Ibuprofen as needed and avoid use of the hand for one day. The hand was re-evaluated the next morning and employee released to full duty	Situational awareness, share this event and encourage frontline leaders to keep the topic fresh in equipment operator's minds
7/2/2018	Injury	Greenland	The Chef was chopping vegetables and accidentally cut their Left index finger with a knife. This resulted in a superficial laceration. The medic applied pressure and liquid bandage to cover the wound from infection. Medic checked in with the employee on the 5th and reported the wound is healing fine. No further treatment was required	Review policy and equipment provided for sharpening knives at location, assess the number of staff available to assist in high volume periods, Review the glove policy for all locations (gloves should be worn when possible, and when it won't negatively impact work operations)
7/27/2018	Spill	Greenland	Pressure within a closed loop glycol heating system caused a leak of glycol to the atmosphere. Employees were in the area but no injuries occurred.	CPS Engineering staff will assess the system to ensure it is installed in the correct manner, this will include a document detailing the installation requirements and any changeout schedules for o-rings or other parts which may wear/fail.
8/3/2018	Injury	Greenland	The Summit Bear Watcher (BW) was sighting in the leased rifle on the north end of the Skiway. The BW confirmed the range was clear and settled into the prone position for the first shot. As the shot was fired, the rifle recoiled, and the scope contacted the forehead causing bruising and breaking of the skin. Employee was wearing safety glasses, however the scope rose above the glasses and made contact	Scope too close to face and not braced appropriately against the shoulder. Rifle practice has been discontinued at all locations, a new weapon and scope is being sourced, future persons approved to carry/operate firearms will have prior experience assessed
8/4/2018	Injury	Greenland	A Cargo coordinator (CC) was removing 8 - 50 lb. bags of rolled oats from the freezer trench to the snow surface at Summit Station. The bags of oats were located on the top 10 steps of the freezer cave. While the CC was picking up the bag of oats, the oats shifted inside of the bag, which caused the CC to stumble on the steps and partially lose grip of the bag, causing back pain. The CC visited the clinic, emphasis was placed on less physical tasking, although the CC was able to continue work as normal	Discuss ways to prevent workers from carrying excessive weight. This is especially important when the load is awkwardly shaped, or the terrain to be traversed is not flat and dry.
8/8/2018	Injury	Greenland	An employee at Summit Station woke in their tent with back pain, and after getting up, visited the clinic. The employee had worked the previous day on demolition work (SOB), which potentially contributed to the tight back muscles. The employee reported the event and visited the clinic. The medic suggested adjusting workload until the back had healed. Approximately one week later, the employee reported the back was 100%.	Ensure workers are stretching and paying attention to early warning signs. Keep hydrated and do not lift heavy loads when it is possible to avoid.
8/9/2018	Injury	Greenland	The Chef visited the Medic and reported pain in both wrists. The Chef reported progressively worsening pain over the past 2 months of work. The Chef shared with the medic that they have had similar pain in the past. Able to continue work through end of the season. Employee stated the workload was too great for one person, and perceived that adequate help was unavailable. First Aid treatment included over the counter medications and a soft brace.	Assess the numbers at Summit in the Summer and add enough staff to provide adequate support for the Chef

8/16/2018	Injury	Greenland	The Summit Chef was chopping onions and cut the middle finger on their left hand. The Medic irrigated the wound and put Polysporin and a flexible compression band aid on. The Chef wore a finger cot until the wound healed. The Medic checked in with the employee on the 20th and reported the wound is healing fine. No need for further treatment	Review the policy and equipment provided for sharpening knives at Summit Station, assess the personnel numbers at Summit in the Summer and add enough staff to provide adequate support for the Chef, review the glove policy for all tasks and locations
8/17/2018	Injury	Greenland	On August 17th an employee was changing water filters in buildings at Summit Station, which is a monthly task. While the employee was attempting to change a filter, their hand pushed up against a pipe causing a superficial laceration to the left index finger. The medic irrigated the laceration and placed Polysporin and a clean dressing on. No gloves were worn while the work was performed.	Review the glove policy for all tasks and locations. Gloves should be worn for manual labor task when it does not negatively impact work.
8/20/2018	Injury	Greenland	On August 20th at 10am local time, a Science Tech was walking inside the Green House (from Berthing module), when they closed their middle finger on the right hand, in the door. The tech consulted with the Medic and was put into a finger splint. Without an x-ray, a small fracture couldn't be ruled out, so the patient wore the splint for the next week as a precaution. The employee was able to continue work as normal, though emphasis was placed on less physical tasking.	This incident has been classified non-occupational, the science tech was not working at the time, and was transiting from the berthing area. Situational awareness is critical in this type of remote and busy environment. Take time to perform tasks and maintain focus on seemingly routine tasks, as they are often the very task that cause injury.
#####	Injury	Greenland	At approximately 1500 local time on October 10th, an employee was documenting berms and photographing the Plan Q Building (picture below) at Summit Station, Greenland. The employee opened the door to photograph sleds inside, while closing the door, the employee had to slam it to get the latch to close. This action dislodged snow from above the door, which fell onto the employee's back, neck and shoulder. The weight of the snow caused the employee to fall to their knees. The temperature at the time of the incident was -52F. As a result, the employee has pain in the right shoulder and upper back. Over the counter ibuprofen and ice and heat are being used to treat the pain. The employee can perform normal work duties and used the incident as the topic of a safety discussion, to encourage awareness around this often-encountered hazard	Share the incident with other team members. Encourage workers and researchers to clear overhead snow, before entering buildings when possible.