



CITY OF NORTH POLE *Alaska*

MONDAY, MAY 15, 2017

Work Session – Comprehensive Strategic Plan Implementation

5:30 p.m. – 6:30 p.m.

Committee of the whole 6:30 p.m.

Regular City Council Meeting – 7:00 p.m.

MAYOR

Bryce Ward – Borough Rep
888-4444

CITY CLERK

Kathy Weber, MMC
488-8583

COUNCIL MEMBERS

Kevin McCarthy- Alt Dep Mayor Pro Tem	590-0800
Avery Thompson	388-5351
David Skippis	750-5106
Santa Claus	388-3836
Thomas McGhee – Mayor Pro Tem	455-0010
Doug Isaacson - Deputy Mayor Pro Tem	322-3133

- 1. Call to Order/Roll Call**
- 2. Pledge of Allegiance to the US Flag**
- 3. Invocation**
- 4. Approval of the Agenda**
- 5. Approval of the Minutes**
- 6. Communications from the Mayor**
 - Proclamations**
 - Youth Suicide – Out of the Darkness Campaign in the Interior
 - Student of the Month for May: Kimberly Williams
 - Student of the Month for May: Makayla Crawford
- 7. Council Member Questions of the Mayor**
- 8. Communications from Department Heads, Borough Representative and the City Clerk**

9. Ongoing Projects Report

10. Citizens Comments (Limited to Five (5) minutes per Citizen)

11. Old Business

- a. Ordinance 17-12, An Ordinance amending Title 15, Building and Construction.

12. New Business

- a. Approval of Development Agreement between the City of North Pole and Badger Properties LLC.
- b. Request to dispose of mobile home training facility at North Pole Fire Department.
- c. Renewal of the City of North Pole Healthcare Plan for July 1, 2017 – June 30, 2018.
- d. Ordinance 17-13, an Ordinance to amend codes associated with the City of North Pole's Storm Water Management Ordinances, Chapter 12.24 – Illicit Discharge Detection and Elimination; Chapter 15.66 – Construction Site Storm Water Runoff; and Chapter 15.74 – Post-Construction Storm Water Management.
- e. Ordinance 17-14, An Ordinance to incur \$303,000 debt from a low-interest Alaska Department of Environmental Conservation (ADEC) loan for the purpose of constructing an extension to the wastewater treatment plant discharge sewer main in response to an ADEC Notice of Violation.
- f. Ordinance 17-15, an Ordinance to allow multiple water meters at properties with multiple occupancies and to allow a single customer sewer service line at properties with multiple occupancies.
- g. Ordinance 17-16, an Ordinance of the City of North Pole, Alaska to amend the 2017 Jag/Byrne grant to purchase an undercover vehicle for use by North Pole Police Department.

13. Executive Session

- a. To discuss personnel issues in the fire department

14. Council Comments

15. Adjournment

The City of North Pole will provide an interpreter at City Council meetings for hearing impaired individuals. The City does require at least 48 hours' notice to arrange for this service. All such requests are subject to the availability of an interpreter. All City Council meetings are recorded on CD. These CD's are available for listening or duplication at the City Clerk's Office during regular business hours, Monday through Friday, 8:00 a.m. to 5:00 p.m. or can be purchased for \$10.00 per CD. The City Clerk's Office is located in City Hall, 125 Snowman Lane, North Pole, Alaska.



**City of North Pole Comprehensive Strategic Plan
Implementation Work Session with City Council and Department Heads
Focus: Assessment of Retail Needs and Opportunities
Monday, May 15, 2017; 5:30 – 6:30 PM
City Hall: 125 Snowman Lane, North Pole, AK**

Agenda

- I.** Review and Discuss FINAL Commercial Re-Zoning Summary
- II.** Review and Discuss DRAFT Resident Survey Summary
- III.** Next Steps + Adjourn



**Committee of the Whole – 6:30 P.M.
Regular City Council Meeting – 7:00 P.M.**

A regular meeting of the North Pole City Council was held on Monday, May 1, 2017 in the Council Chambers of City Hall, 125 Snowman Lane, North Pole, Alaska.

CALL TO ORDER/ROLL CALL

Mayor Ward called the regular City Council meeting of Monday, May 1, 2017 to order at 7:00 p.m.

There were present:

Mr. McCarthy – Alt Dep Mayor Pro Tem
Mr. Isaacson - Deputy Mayor Pro Tem
Mr. Thompson
Mr. McGhee - Mayor Pro Tem
Mr. Claus
Mr. Skipps
Mayor Ward –

Absent/Excused

Excused

PLEDGE OF ALLEGIANCE TO THE U.S. FLAG

Led by Mayor Ward

INVOCATION

Invocation was given by Mr. McGhee

APPROVAL OF AGENDA

Mr. McGhee *moved to* **approve the agenda of May 1, 2017**

Seconded by Mr. Isaacson

DISCUSSION

None

Mr. McGhee *moved to* **consent the following items under Old Business**

- a.** Ordinance 17-11, An Ordinance of the City of North Pole, Alaska to amend 2017 budget to transfer funding to the Litigation Fund

New Business

- a. Request to sign contract/location release with Discovery Communications, Inc and M2 Pictures.
- b. Ordinance 17-12, An Ordinance amending Title 15, Building and Construction.

Seconded by Mr. Isaacson

Discussion

None

On the amendment

PASSED

Yes: 6 – McGhee, Isaacson, Skipps, Claus, Thompson, Ward

No: 0

Absent: 1 - McCarthy

On the Agenda as amended

Discussion

None

PASSED

Yes: 6 – McGhee, Isaacson, Skipps, Claus, Thompson, Ward

No: 0

Absent: 1 - McCarthy

APPROVAL OF MINUTES

Mr. McGhee *moved to* approve the Minutes of April 17, 2017

Seconded by Mr. Isaacson

Discussion

None

PASSED

Yes: 6 – McGhee, Isaacson, Skipps, Claus, Thompson, Ward

No: 0

Absent: 1 - McCarthy

COMMUNICATIONS FROM THE MAYOR

- City Clerk, Kathy Weber, swore in Brian Meyer as a North Pole Police Officer.
- The Violations Committee will be meeting before the first meeting of every month in the Council Chambers starting at 5:30pm. The public is welcome to attend; we are hoping to have things wrapped up by August.
- 4th of July meetings are scheduled for the following dates until the event:, May 8th, May 22nd, June 12th, June 26th. All meetings will be at City Hall at 6pm and go till 7pm. The public is welcome to attend. We are considering North Pole High School as a possible festival location. NOTE: the May 8th meeting will be held at the North Pole High School Parking lot.
- April 28th was the 49th Military Appreciation Banquet put on by the Greater Fairbanks Chamber of Commerce, Thank you to Councilman Doug Isaacson and Thomas McGhee for sponsoring a ticket.
- Today was the first annual memorial service at the Trooper park. Chief Dutra did a great job and it was very well attended. Thank you to all of the folks who have helped make this possible.
- May 4th is the National Day of Prayer at 6:00 a.m the Mayor will be reading the proclamation at the prayer breakfast at the Church of God in Christ (COGIC) on Mission Road. All are welcome.
- May 4th is the FNSB Senior Citizen Recognition Day at the Carlson Center at 10:30am. The Mayor will be there to read proclamations with the other mayors.
- Next week is the Arctic Council meeting in Fairbanks, for more information please visit <https://www.arctic-council.org> or <http://akarctichost.org/program/arctic-council-ministerial-meetings>

COUNCIL MEMBER QUESTIONS OF THE MAYOR

None

**COMMUNICATIONS FROM DEPARTMENT HEADS, BOROUGH
REPRESENTATIVE AND THE CITY CLERK**

Fire Dept., Chief Coon

- The Fire Department was honored to participate in the ceremony today at the memorial park. Chief Coon thanked the Mayor, Council, and Chief Dutra for all that was done and allowing us to participate.
- Deputy Chief Heineken attended the UAF paramedic graduation. Attending the Graduation shows the students that the North Pole Fire Department values their achievements and gives us a chance to shake hands with graduates and tell them what a great place NPFD is to be a member of.
- Chief Coon Participated in a State Chiefs teleconference where an update on legislative issues that pertain to the Alaska Fire Service. The GEMT ground emergency medical transport bill moved through the state house and has stalled out in the senate. The State chiefs will be working with state senators to help move this bill along.
- This Wednesday Chief Coon will attend the Interior Fire Chiefs Association meeting where he will have to act up in the absence of the President and VP. Chief Coon was voted in as secretary of the association in January.
- Our Driver Operator course is progressing and will be testing for state certification later in the month. This training occurs in-house and at almost no cost to the city.
- The FD open house will be on May 20th.
- The FD still has clean up bags to give out to anyone still cleaning up.
- The Crews will be completing pre-fire inspections of commercial buildings all summer. This is a great value to the department to be familiar with our structures before an incident occurs. It also allows the department to educate the property owner of any safety concerns.

Police Dept., Chief Dutra

- Drug Take Back for this year was a smashing success. We brought in 144.5 lbs of drugs. We worked with the Fairbanks Wellness Coalition and the TV and Radio PSA's and brought in the most people ever. All sites showed remarkable increases in drug collection.
- I attended the Chamber Luncheon with Mayor Ward and did a presentation on Memorial Park and the fund raiser for the corvette.
- Met with DEA/AST on drug unit activity.

- Memorial Park ceremony was fantastic. Well attended and was well received. A lot of folks came out and a lot of people to thank for the success of the park. Thank you to everyone who helped.

Finance, Tricia Fogarty

- None

Director of City Services, Bill Butler

Building Department

- Amendments to update building code amendments before Council this evening.
- 5 residential permits issued for homes in the Stillmeyer Subdivision.
 - Developer purchased one of the large foreclosed undeveloped lots in the Stillmeyer Subdivision with plans to subdivide and build out the property.
- Contacts increasing for possible projects: Santa Claus House expansion; Tri-plex, Ouida Way; Eight-plex, CrossWay.

Public Works

- Recruitment for summer hires is now open. Open to individuals 18 years and older; hiring ASAP.
- Constructing a shelter for over dog park entrance.
 - Packed snow obstructs access to park in winter (cannot open gates).
 - Dog park gets consistent use year round. Only park in City with year-round use.
- Constructing the remainder of the park and facility identification signs.
- Street sweeping: Hired contractor and expect sweeping to begin this week.

Utility Department

- Sulfolane lawsuit settlement agreement.
 - Application for Certificate of Public Convenience and Necessity (CPCN) submitted to the Regulatory Commission of Alaska on April 7 for water system extension service area and the remainder of the City not in the City's current CPCN.
 - On April 15, RCA published a public notice of the City's CPCN application.
 - On April 27, RCA notified City its CPCN application has been assigned a docket with a decision no later than October 4, 2017.
- ADEC issued the Utility a Notice of Violation related to its Industrial Pretreatment Program.

- Utility intends to respond forcefully that the NOV is not justified based upon our position that ADEC approved the Utility's IPP Program application and the NOV sites faults with the ADEC approved application.
- ADEC approved the Utility using grant funds to pay 70% of the costs associated with installing cellular modems at all its lift stations and to replace a server that supports the Utility data collection network; an estimated \$20,000 savings
- ADEC has approved a partial loan for \$303,000 as part of the approved \$2 million ACWF loan for the sewer outfall project.
 - ADEC had to break the loan into parts because the full loan was to cover construction and the project is not yet ready to go to construction.
 - The partial loan includes eligibility for up to \$60,600 of loan subsidy (20%).
 - A recommendation to accept the loan will be submitted for consideration at the May 15 City Council meeting.

Natural Gas Utility Board

- The firm IGU was negotiating with for a gas supply contract withdrew from the discussions after it signed a deal with another utility.
- Deadline for the finalization of an agreement with AIDEA to transfer Fairbanks Natural Gas to IGU was extended to May 1.

Borough Representative

- Ordinance 2017-30 is a ordinance authorizing the exchange of borough land around NP Elementary with the Santa Claus House for land adjacent to 5th Avenue park.
- Ordinance 2017-20-2F amends the budget to accept additional grant funding for the Growth Management Plan related to F-35 buildout.
- COC: Ordinance 2017-40 would repeal the Vision Fairbanks downtown plan as an element of the FNSB Regional Compressive Plan.

City Clerk's Office, Kathy Weber

- Again, the recording of the council meetings is not working. I worked with AlasConnect last week and got the problem fixed. However, tonight again, the recording has quit working. I still have \$6,000 in my archival grant and need most of that for training with a new hire but will look at getting this fixed once and for all by the next meeting. This has been very frustrating for me.
- Things have been very busy for me the last 2 weeks. With the loss of the records management clerk and a death in the family I have had to take on the duties of the Records Manager. I hope to have someone hire before the end of May.

- Records Management/Archivist position has gone out to the public. It is being advertised on our website and also at fairbankshelpwanted.com. The closing date is May 15th. I would ask the council to reconsider the position of Records Manager/Archivist to be changed to Deputy Clerk. It is very important for that position to work cohesively with the City Clerk and to be able to perform many of the same functions. The Clerks office hold all records and obtains information from organizations and other governmental agencies to help inform the public.
- The City Clerk/Human Resource Manager position has also been advertised and will close on May 15th. I hope to have some applications for you and we will need to set up a time for interviews. Please let me know what night and time you will be available.
- The newsletter for May is ready for distribution. Let me know if you have anything of interest that you would like to include in the newsletter.
- Attended the Senior Luncheon last Wednesday. John Poirier was their guest speaker and April was Grange Month. There is a proclamation in the packet on the history of the Grange. They will be having many different things going on at the Grange throughout the summer. Each of you have a Grange membership form. If you have any question please give Mr. Poirier a call at 488-7247.

ONGOING PROJECTS

- None

CITIZENS COMMENTS – (Limited to Five (5) minutes per Citizen)

- None

OLD BUSINESS

Consented Agenda

NEW BUSINESS

Consented Agenda

COUNCIL COMMENTS

Mr. Isaacson – echoed comments on behalf of Chief Dutra on the Memorial Park and Officer McBrooms invocation. Thanked Mayor for his organization of this event. His son will be here for a week working on his rental. All of his children who graduated from North Pole are now somewhere else. Arctic connectivity is going to be a big thing at the meeting on May 8th and 9th.

Mr. Skipps – thanked mayor and Dept. Heads for the birthday cards.

Mr. Claus – reminded everyone that this is law enforcement month. His sister and her husband will be here at the next meeting. He wished everyone safe travels.

Mr. Thompson – no comment

Mr. McGhee – congratulated the Police Chief on the Memorial Park and all that attended. He would like to see it on a non-work day in the future. He was grateful for his ability to get a table at the Military Appreciation Dinner. There were many there that were honored and there aren't many communities that support this sort of thing. He said he was going to miss Kathy and it will be a difficult job to fill. He complimented the fire department on their job. Mr. McGhee asked everyone to be careful out there on the roads. Today he saw large amounts of furniture fall off a truck and someone else going towards EAFB who lost groceries and didn't know it. Be diligent with your loads.

Mayor Ward – July 4th committee meeting on May 8th. Looking at a softball game between the fire department and police department.

Mr. McGhee *moved to adjourn the meeting at 7:43 p.m.*

Seconded by Mr. Isaacson

The regular meeting of Monday, May 1, 2017 adjourned at 7:43 p.m.

These minutes passed and approved by a duly constituted quorum of the North Pole City Council on Monday, May 15, 2017.

Bryce J. Ward, Mayor

ATTEST:

Kathryn M. Weber, MMC
North Pole City Clerk

--CONTACT INFORMATION--

Full Name: Jason Whetsell

Email: akcopsresident@gmail.com

Phone Number: (907) 317-5264

Question/Comment/Suggestion:

My name is Jason Whetsell and I am a retired Anchorage police officer. I am the newly appointed president of the Alaska chapter of C.O.P.S. (Concerns Of Police Survivors). We are a non profit that is there to help the survivors of officer line of duty deaths. On 5/4/17, I flew to Fairbanks to attend a presentation at the North Pole Middle School, where the students raised nearly \$20,000 which they then gave to 13 different charities, one of which was C.O.P.S. That alone was amazing seeing the generosity of the kids.

I am wanting to send you this email to make you aware of your Police Department and how they went above and beyond to help me when I arrived. Lieutenant Rathbun was in contact with me weeks prior to the event. He had a ride waiting for me at the airport who then made sure I got back in time (quick turn around). Sergeant Bellant picked me up, escorted me around and took me to lunch.

I met with Chief Dutra who told me about the Memorial park named after Troopers Gabe Rich and Scott Johnson. I went to the park and saw what Chief Dutra worked on along with the many volunteers he spoke of.

It's employees like that who represent your City in a very good way. I was impressed with your Police Department and their leadership. I enjoyed my visit and I'm eager to return. If there's anything I can do for you or your city, please don't hesitate to ask. Would you also please thank Chief Dutra, Lt Rathbun and Sgt Bellant for taking the time to help me out?

Thank you,

Jason Whetsell

(907) 317-5264

The results of this submission may be viewed at:

<http://www.northpolealaska.com/node/7/submission/1751>

JOHN WEAVER SKATEBOARD PARK

skate
contest.

&

hip
hop
show

MAY 20th

competitions:
scoot // 2PM
bmx // 3
skate // 4:30



The
Alaska Community
Foundation

CONCERT STARTS @ 7:00PM

CLEAN HIP HOP SHOW FEATURING

LEE JONES BISHOP SLICE TONY TAYLOR

FRANKY DELUXE LOKI OGIE JEROMY AND THE TWINS

sponsored by

Design
Alaska

Street
SOUNDS



#RIDESTRONG

free food from



BLUE 3 GOLD



Design
Alaska



Alaska Division of Public Health



Public Health Nursing Child Immunization Clinic

When: Thursday, May 18, 2017
3:00 to 6:00 p.m.

Where: North Pole Fire Department
110 Lewis St

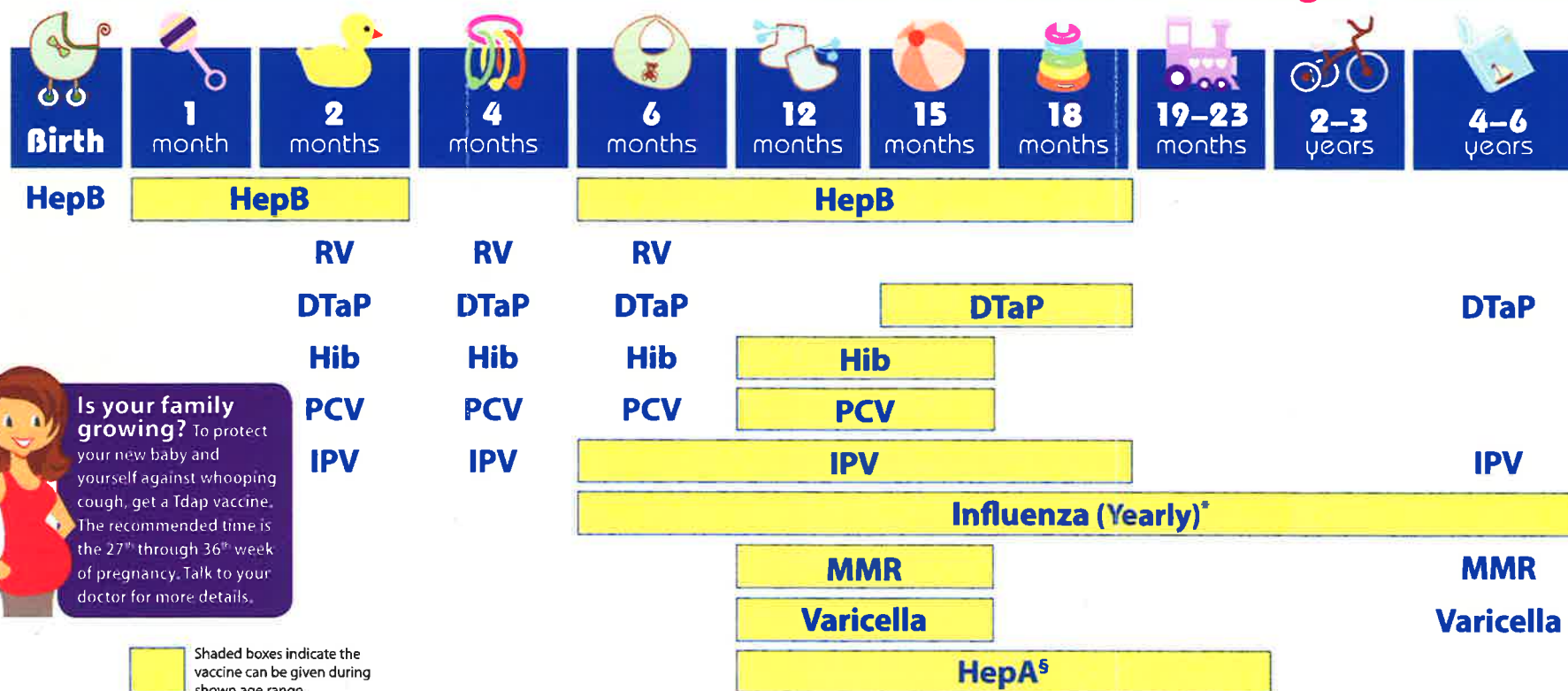


PARENTS MUST BE PRESENT!

- ♦ PLEASE BRING YOUR CHILD'S SHOT RECORD.
- ♦ ALL CHILDHOOD IMMUNIZATIONS WILL BE AVAILABLE INCLUDING VACCINES TO PROTECT AGAINST CHICKENPOX, AND WHOOPING COUGH.
- ♦ WHOOPING COUGH VACCINE FOR ADULTS WILL ALSO BE AVAILABLE
- ♦ FEES WILL BE ASSESSED FOR SERVICES. NO ONE WILL BE REFUSED SERVICE DUE TO INABILITY TO PAY.
- ♦ NO TB TESTS WILL BE OFFERED AT THIS CLINIC.

For more information, call the Fairbanks Regional
Public Health Center at 452-1776

2017 Recommended Immunizations for Children from Birth Through 6 Years Old



NOTE:

If your child misses a shot, you don't need to start over, just go back to your child's doctor for the next shot. Talk with your child's doctor if you have questions about vaccines.

FOOTNOTES:

- * Two doses given at least four weeks apart are recommended for children aged 6 months through 8 years of age who are getting an influenza (flu) vaccine for the first time and for some other children in this age group.
- § Two doses of HepA vaccine are needed for lasting protection. The first dose of HepA vaccine should be given between 12 months and 23 months of age. The second dose should be given 6 to 18 months later. HepA vaccination may be given to any child 12 months and older to protect against HepA. Children and adolescents who did not receive the HepA vaccine and are at high-risk, should be vaccinated against HepA.

If your child has any medical conditions that put him at risk for infection or is traveling outside the United States, talk to your child's doctor about additional vaccines that he may need.

SEE BACK PAGE FOR MORE INFORMATION ON VACCINE-PREVENTABLE DISEASES AND THE VACCINES THAT PREVENT THEM.

For more information, call toll free
1-800-CDC-INFO (1-800-232-4636)
or visit
www.cdc.gov/vaccines/parents



U.S. Department of Health and Human Services
Centers for Disease Control and Prevention



AMERICAN ACADEMY OF FAMILY PHYSICIANS
STRONG MEDICINE FOR AMERICA

American Academy of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN™

Vaccine-Preventable Diseases and the Vaccines that Prevent Them

Disease	Vaccine	Disease spread by	Disease symptoms	Disease complications
Chickenpox	Varicella vaccine protects against chickenpox.	Air, direct contact	Rash, tiredness, headache, fever	Infected blisters, bleeding disorders, encephalitis (brain swelling), pneumonia (infection in the lungs)
Diphtheria	DTaP* vaccine protects against diphtheria.	Air, direct contact	Sore throat, mild fever, weakness, swollen glands in neck	Swelling of the heart muscle, heart failure, coma, paralysis, death
Hib	Hib vaccine protects against <i>Haemophilus influenzae</i> type b.	Air, direct contact	May be no symptoms unless bacteria enter the blood	Meningitis (infection of the covering around the brain and spinal cord), intellectual disability, epiglottitis (life-threatening infection that can block the windpipe and lead to serious breathing problems), pneumonia (infection in the lungs), death
Hepatitis A	HepA vaccine protects against hepatitis A.	Direct contact, contaminated food or water	May be no symptoms, fever, stomach pain, loss of appetite, fatigue, vomiting, jaundice (yellowing of skin and eyes), dark urine	Liver failure, arthralgia (joint pain), kidney, pancreatic, and blood disorders
Hepatitis B	HepB vaccine protects against hepatitis B.	Contact with blood or body fluids	May be no symptoms, fever, headache, weakness, vomiting, jaundice (yellowing of skin and eyes), joint pain	Chronic liver infection, liver failure, liver cancer
Influenza (Flu)	Flu vaccine protects against influenza.	Air, direct contact	Fever, muscle pain, sore throat, cough, extreme fatigue	Pneumonia (infection in the lungs)
Measles	MMR** vaccine protects against measles.	Air, direct contact	Rash, fever, cough, runny nose, pinkeye	Encephalitis (brain swelling), pneumonia (infection in the lungs), death
Mumps	MMR** vaccine protects against mumps.	Air, direct contact	Swollen salivary glands (under the jaw), fever, headache, tiredness, muscle pain	Meningitis (infection of the covering around the brain and spinal cord), encephalitis (brain swelling), inflammation of testicles or ovaries, deafness
Pertussis	DTaP* vaccine protects against pertussis (whooping cough).	Air, direct contact	Severe cough, runny nose, apnea (a pause in breathing in infants)	Pneumonia (infection in the lungs), death
Polio	IPV vaccine protects against polio.	Air, direct contact, through the mouth	May be no symptoms, sore throat, fever, nausea, headache	Paralysis, death
Pneumococcal	PCV vaccine protects against pneumococcus.	Air, direct contact	May be no symptoms, pneumonia (infection in the lungs)	Bacteremia (blood infection), meningitis (infection of the covering around the brain and spinal cord), death
Rotavirus	RV vaccine protects against rotavirus.	Through the mouth	Diarrhea, fever, vomiting	Severe diarrhea, dehydration
Rubella	MMR** vaccine protects against rubella.	Air, direct contact	Children infected with rubella virus sometimes have a rash, fever, swollen lymph nodes	Very serious in pregnant women—can lead to miscarriage, stillbirth, premature delivery, birth defects
Tetanus	DTaP* vaccine protects against tetanus.	Exposure through cuts in skin	Stiffness in neck and abdominal muscles, difficulty swallowing, muscle spasms, fever	Broken bones, breathing difficulty, death

* DTaP combines protection against diphtheria, tetanus, and pertussis.

** MMR combines protection against measles, mumps, and rubella.

Talk to your child's doctor or nurse about the vaccines recommended for their age.

	Flu <i>Influenza</i>	Tdap Tetanus, diphtheria, pertussis	HPV Human papillomavirus	Meningococcal		Pneumococcal	Hepatitis B	Hepatitis A	Inactivated Polio	MMR Measles, mumps, rubella	Chickenpox <i>Varicella</i>
				MenACWY	MenB						
7-8 Years											
9-10 Years											
11-12 Years											
13-15 Years											
16-18 Years											

More information:

Preteens and teens should get a flu vaccine every year.

Preteens and teens should get one shot of Tdap at age 11 or 12 years.

All 11-12 year olds should get a 2-shot series of HPV vaccine at least 6 months apart. A 3-shot series is needed for those with weakened immune systems and those age 15 or older.

All 11-12 year olds should get a single shot of a quadrivalent meningococcal conjugate vaccine (MenACWY). A booster shot is recommended at age 16.

Teens, 16-18 years old, **may** be vaccinated with a MenB vaccine.



These shaded boxes indicate when the vaccine is recommended for all children unless your doctor tells you that your child cannot safely receive the vaccine.



These shaded boxes indicate the vaccine should be given if a child is catching-up on missed vaccines.



These shaded boxes indicate the vaccine is recommended for children with certain health or lifestyle conditions that put them at an increased risk for serious diseases. See vaccine-specific recommendations at www.cdc.gov/vaccines/pubs/ACIP-list.htm.



This shaded box indicates the vaccine is recommended for children not at increased risk but who wish to get the vaccine after speaking to a provider.



**U.S. Department of
Health and Human Services**
Centers for Disease
Control and Prevention

American Academy
of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™



AMERICAN ACADEMY OF
FAMILY PHYSICIANS
STRONG MEDICINE FOR AMERICA

Vaccine-Preventable Diseases and the Vaccines that Prevent Them

Diphtheria (Can be prevented by Tdap vaccination)

Diphtheria is a very contagious bacterial disease that affects the respiratory system, including the lungs. Diphtheria bacteria can be passed from person to person by direct contact with droplets from an infected person's cough or sneeze. When people are infected, the bacteria can produce a toxin (poison) in the body that can cause a thick coating in the back of the nose or throat that makes it hard to breathe or swallow. Effects from this toxin can also lead to swelling of the heart muscle and, in some cases, heart failure. In serious cases, the illness can cause coma, paralysis, and even death.

Hepatitis A (Can be prevented by HepA vaccination)

Hepatitis A is an infection in the liver caused by hepatitis A virus. The virus is spread primarily person-to-person through the fecal-oral route. In other words, the virus is taken in by mouth from contact with objects, food, or drinks contaminated by the feces (stool) of an infected person. Symptoms can include fever, tiredness, poor appetite, vomiting, stomach pain, and sometimes jaundice (when skin and eyes turn yellow). An infected person may have no symptoms, may have mild illness for a week or two, may have severe illness for several months, or may rarely develop liver failure and die from the infection. In the U.S., about 100 people a year die from hepatitis A.

Hepatitis B (Can be prevented by HepB vaccination)

Hepatitis B causes a flu-like illness with loss of appetite, nausea, vomiting, rashes, joint pain, and jaundice. Symptoms of acute hepatitis B include fever, fatigue, loss of appetite, nausea, vomiting, pain in joints and stomach, dark urine, grey-colored stools, and jaundice (when skin and eyes turn yellow).

Human Papillomavirus (Can be prevented by HPV vaccination)

Human papillomavirus is a common virus. HPV is most common in people in their teens and early 20s. It is the major cause of cervical cancer in women and genital warts in women and men. The strains of HPV that cause cervical cancer and genital warts are spread during sex.

Influenza (Can be prevented by annual flu vaccination)

Influenza is a highly contagious viral infection of the nose, throat, and lungs. The virus spreads easily through droplets when an infected person coughs or sneezes and can cause mild to severe illness. Typical symptoms include a sudden high fever, chills, a dry cough, headache, runny nose, sore throat, and muscle and joint pain. Extreme fatigue can last from several days to weeks. Influenza may lead to hospitalization or even death, even among previously healthy children.

Measles (Can be prevented by MMR vaccination)

Measles is one of the most contagious viral diseases. Measles virus is spread by direct contact with the airborne respiratory droplets of an infected person. Measles is so contagious that just

being in the same room after a person who has measles has already left can result in infection. Symptoms usually include a rash, fever, cough, and red, watery eyes. Fever can persist, rash can last for up to a week, and coughing can last about 10 days. Measles can also cause pneumonia, seizures, brain damage, or death.

Meningococcal Disease (Can be prevented by meningococcal vaccination)

Meningococcal disease is caused by bacteria and is a leading cause of bacterial meningitis (infection around the brain and spinal cord) in children. The bacteria are spread through the exchange of nose and throat droplets, such as when coughing, sneezing or kissing. Symptoms include sudden onset of fever, headache, and stiff neck. Meningococcal bacteria also cause blood infections. About one of every ten people who get the disease dies from it. Survivors of meningococcal disease may lose their arms or legs, become deaf, have problems with their nervous systems, become developmentally disabled, or suffer seizures or strokes.

Mumps (Can be prevented by MMR vaccination)

Mumps is an infectious disease caused by the mumps virus, which is spread in the air by a cough or sneeze from an infected person. A child can also get infected with mumps by coming in contact with a contaminated object, like a toy. The mumps virus causes swollen salivary glands under the ears or jaw, fever, muscle aches, tiredness, abdominal pain, and loss of appetite. Severe complications for children who get mumps are uncommon, but can include meningitis (infection of the covering of the brain and spinal cord), encephalitis (inflammation of the brain), permanent hearing loss, or swelling of the testes, which rarely results in decreased fertility.

Pertussis (Whooping Cough) (Can be prevented by Tdap vaccination)

Pertussis is caused by bacteria spread through direct contact with respiratory droplets when an infected person coughs or sneezes. In the beginning, symptoms of pertussis are similar to the common cold, including runny nose, sneezing, and cough. After 1-2 weeks, pertussis can cause spells of violent coughing and choking, making it hard to breathe, drink, or eat. This cough can last for weeks. Pertussis is most serious for babies, who can get pneumonia, have seizures, become brain damaged, or even die. About half of children under 1 year of age who get pertussis must be hospitalized.

Pneumococcal Disease (Can be prevented by pneumococcal vaccination)

Pneumonia is an infection of the lungs that can be caused by the bacteria called pneumococcus. This bacteria can cause other types of infections too, such as ear infections, sinus infections, meningitis (infection of the covering around the brain and spinal cord), and bacteremia (bloodstream infection). Sinus and ear infections are usually mild and are much more common than the

more serious forms of pneumococcal disease. However, in some cases pneumococcal disease can be fatal or result in long-term problems, like brain damage and hearing loss. Pneumococcal disease spreads when people cough or sneeze. Many people have the bacteria in their nose or throat at one time or another without being ill—this is known as being a carrier.

Polio (Can be prevented by IPV vaccination)

Polio is caused by a virus that lives in an infected person's throat and intestines. It spreads through contact with the stool of an infected person and through droplets from a sneeze or cough. Symptoms typically include sore throat, fever, tiredness, nausea, headache, or stomach pain. In about 1% of cases, polio can cause paralysis. Among those who are paralyzed, about 2 to 10 children out of 100 die because the virus affects the muscles that help them breathe.

Rubella (German Measles) (Can be prevented by MMR vaccination)

Rubella is caused by a virus that is spread through coughing and sneezing. In children rubella usually causes a mild illness with fever, swollen glands, and a rash that lasts about 3 days. Rubella rarely causes serious illness or complications in children, but can be very serious to a baby in the womb. If a pregnant woman is infected, the result to the baby can be devastating, including miscarriage, serious heart defects, mental retardation and loss of hearing and eye sight.

Tetanus (Lockjaw) (Can be prevented by Tdap vaccination)

Tetanus is caused by bacteria found in soil, dust, and manure. The bacteria enters the body through a puncture, cut, or sore on the skin. When people are infected, the bacteria produce a toxin (poison) that causes muscles to become tight, which is very painful. Tetanus mainly affects the neck and belly. This can lead to "locking" of the jaw so a person cannot open his or her mouth, swallow, or breathe. Complete recovery from tetanus can take months. One to two out of 10 people who get tetanus die from the disease.

Varicella (Chickenpox) (Can be prevented by varicella vaccination)

Chickenpox is caused by the varicella zoster virus. Chickenpox is very contagious and spreads very easily from infected people. The virus can spread from either a cough, sneeze. It can also spread from the blisters on the skin, either by touching them or by breathing in these viral particles. Typical symptoms of chickenpox include an itchy rash with blisters, tiredness, headache and fever. Chickenpox is usually mild, but it can lead to severe skin infections, pneumonia, encephalitis (brain swelling), or even death.

If you have any questions about your child's vaccines, talk to your healthcare provider.

If you are this age, **talk to your healthcare professional about these vaccines**

If you are this age,	Flu <i>Influenza</i>	Td/Tdap Tetanus, diphtheria, pertussis	Shingles <i>Zoster</i>	Pneumococcal		Meningococcal		MMR Measles, mumps, rubella	HPV <i>Human papillomavirus</i>		Chickenpox <i>Varicella</i>	Hepatitis A	Hepatitis B	Hib <i>Haemophilus influenzae type b</i>
				PCV13	PPSV23	MenACWY or MPSV4	MenB		for women	for men				
19 - 21 years	Green	Green		Blue	Blue	Blue	Blue	Green	Green	Green	Green	Blue	Blue	Blue
22 - 26 years	Green	Green		Blue	Blue	Blue	Blue	Green	Green	Blue	Green	Blue	Blue	Blue
27 - 59 years	Green	Green		Blue	Blue	Blue	Blue	Green			Green	Blue	Blue	Blue
60 - 64 years	Green	Green	Green	Blue	Blue	Blue	Blue				Green	Blue	Blue	Blue
65+ year	Green	Green	Green	Blue	Blue	Blue	Blue				Green	Blue	Blue	Blue

More Information:

You should get flu vaccine every year.

You should get a Td booster every 10 years. You also need 1 dose of Tdap. Women should get a Tdap vaccine during every pregnancy to help protect the baby.

You should get shingles vaccine even if you have had shingles before.

You should get 1 dose of PCV13 and at least 1 dose of PPSV23 depending on your age and health condition.

You should get this vaccine if you did not get it when you were a child.

You should get HPV vaccine if you are a woman through age 26 years or a man through age 21 years and did not already complete the series.

Recommended For You: This vaccine is recommended for you *unless* your healthcare professional tells you that you do not need it or should not get it.

May Be Recommended For You: This vaccine is recommended for you if you have certain risk factors due to your health condition or other. Talk to your healthcare professional to see if you need this vaccine.

If you are traveling outside the United States, you may need additional vaccines.

Ask your healthcare professional about which vaccines you may need at least 6 weeks before you travel.

For more information, call 1-800-CDC-INFO (1-800-232-4636) or visit www.cdc.gov/vaccines



**U.S. Department of Health and Human Services
Centers for Disease Control and Prevention**

If you have this health condition,

talk to your healthcare professional about these vaccines

	Flu Influenza	Td/Tdap Tetanus, diphtheria, pertussis	Shingles Zoster	Pneumococcal		Meningococcal		MMR Measles, mumps, rubella	HPV Human papillomavirus		Chickenpox Varicella	Hepatitis A	Hepatitis B	Hib <i>Haemophilus influenzae</i> type b
				PCV13	PPSV23	MenACWY or MPSV4	MenB		for women	for men				
Pregnancy														
Weakened Immune System			SHOULD NOT GET VACCINE					SHOULD NOT GET VACCINE			SHOULD NOT GET VACCINE			
HIV: CD4 count less than 200														
HIV: CD4 count 200 or greater														
Kidney disease or poor kidney function														
Asplenia (if you do not have a spleen or if it does not work well)														
Heart disease Chronic lung disease Chronic alcoholism														
Diabetes (Type 1 or Type 2)														
Chronic Liver Disease														

More Information:

You should get flu vaccine every year.

You should get a Td booster every 10 years. You also need 1 dose of Tdap vaccine. Women should get Tdap vaccine during every pregnancy.

You should get shingles vaccine if you are age 60 years or older, even if you have had shingles before.

You should get 1 dose of PCV13 and at least 1 dose of PPSV23 depending on your age and health condition.

You should get this vaccine if you did not get it when you were a child.

You should get HPV vaccine if you are a woman through age 26 years or a man through age 21 years and did not already complete the series.

You should get Hib vaccine if you do not have a spleen, have sickle cell disease, or received a bone marrow transplant.

For more information, call 1-800-CDC-INFO (1-800-232-4636) or visit www.cdc.gov/vaccines

Recommended For You: This vaccine is recommended for you *unless* your healthcare professional tells you that you do not need it or should not get it.

May Be Recommended For You: This vaccine is recommended for you if you have certain other risk factors due to your age, health condition or other. Talk to your healthcare professional to see if you need this vaccine.

YOU SHOULD NOT GET THIS VACCINE



U.S. Department of Health and Human Services
Centers for Disease Control and Prevention

Santa's Senior Center's Annual

Rummage
SALE

→ Friday, June 9th from 2-5PM

Saturday, June 10th 9AM—4PM

↓
Bar-B-Que 11-2PM

→ Trunk Sale
→ Bake Sale

→ Rummage
SALE



101 E. 5th Ave, North Pole, AK 99705

Office of the Mayor
City of North Pole

Proclamation

WHEREAS, Makayla Crawford is a senior at North Pole High School and is the daughter of Sally Guzman & Henry Crawford of North Pole; and

WHEREAS, Makayla is very artistic and was chosen Student of the Month for visual Arts in 2015; and

WHEREAS, Makayla finds the time to volunteer on base at the Kid Center and has manned a booth at the Tanana Valley State fair for UAF the past 3 years; and

WHEREAS, Makayla is a focused and persistent individual who always strives to do her best in all the activities she has participated in with the hope that she might be able to give back to the community and help make it a better place; and

WHEREAS, the City of North Pole desires to recognize the outstanding students in the community,

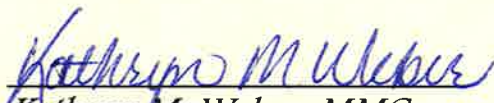
NOW, THEREFORE, I Bryce J. Ward, Mayor of the City of North Pole, do hereby proclaim Makayla Crawford the:

*North Pole City Council
High School Student of the Month
for the Month of May 2017.*



Bryce J. Ward, Mayor

ATTEST:



*Kathryn M. Weber, MMC
North Pole City Clerk*



Office of the Mayor
City of North Pole

Proclamation

WHEREAS, Alaska and the City of North Pole value the health and safety of all our citizens; and

WHEREAS, youth suicide is particularly damaging to one of our most valuable resources, our children, and one of the three leading causes of death for youth, ages 10-24 -- accidents, homicides and suicides; and

WHEREAS, it is the goal of the Alaska Youth Suicide Prevention Campaign and the City of North Pole to involve families, schools, businesses, churches, law enforcement agencies and service organizations in all aspects of this campaign and establish an atmosphere that supports awareness, education and on-going initiatives to prevent youth suicide; and

WHEREAS, the City of North Pole "Youth SOS – Signs of Suicide" campaign theme, promotes family and individual responsibility for living healthy, raises awareness about depression and suicide, and provides comfort and assistance to those who have lost someone to suicide; and

WHEREAS, there are many educational activities planned during the SOS – Signs of Suicide Campaign that; increase individual awareness, knowledge, and understanding of youth suicide, provide information needed to help recognize and assist 'high-risk' youth in the Interior, as well as, cast a wider net to involve more youth in prevention efforts to make a greater impact in our community.

NOW, THEREFORE, I, Bryce J. Ward, Mayor of the City of North Pole, by the authority vested in me, do hereby proclaim

May 11, 2017
as


Youth Suicide - Out of the Darkness Campaign
in the Interior

throughout the City of North Pole, and urge all citizens to join in this event and to work all year long to protect our community from the dangers and fallout of suicide.

IN WITNESS WHEREOF, we have hereunto set our hands this 11th day of May 2017.


Bryce J. Ward, Mayor

ATTEST:


Kathryn M. Weber, MMC

North Pole City Clerk



Office of the Mayor
City of North Pole

Proclamation

WHEREAS, Kimberly Williams is a senior at North Pole High School and is the daughter of Doug & Carol Williams of North Pole; and

WHEREAS, Kimberly is a top notch student and a member of the National Honor Society. She is a Girl Scout and is in the Ignition program that helps to mentor other students. She is focused and self-disciplined which makes her a great athlete and an asset to the swim team; and

WHEREAS, Kimberly is the Captain of the swim team, received the Gold Award and Coach's Award. She was also chosen as Student of the Year for AP Government; and

WHEREAS, the City of North Pole desires to recognize the outstanding students in the community.

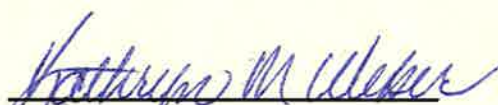
NOW, THEREFORE, I, Bryce J. Ward, Mayor of the City of North Pole, do hereby proclaim Kimberly Williams the:

*North Pole City Council
High School Student of the Month
For May 2017*



Bryce J. Ward, Mayor

ATTEST:


*Kathryn M Weber, MMC
North Pole City Clerk*



Chapter 15.82

FUEL GAS CODE

Sections:

15.82.010. Adoption.

15.82.020. Modifications.

15.82.030. Appeals.

15.82.040. Local amendments to the International Fuel Gas Code, 2009 2015 Edition.

15.82.010 Adoption.

The code known as the International Fuel Gas Code, 2009 2015 Edition, as published by the International Conference of Building Officials, together with the local amendments as set forth in NPMC 15.82.040, shall constitute the laws of the City relating to building regulations. Where the International Fuel Gas Code conflicts with this code, this code shall prevail. An electronic copy of the International Fuel Gas Code is retained at the City offices. (Ord. 12-13 § 2, 2012)

15.82.020 Modifications.

The Building Official shall have the power to modify any of the provisions of the International Fuel Gas Code adopted by this chapter upon application in writing by the owner or lessee or his duly authorized agent, when there are practical difficulties in the way of carrying out the strict letter of the code; provided, that the spirit of the code is observed, public safety secured, and substantial justice done. The particulars of the modification, when granted or allowed, and the decision of the Building Official thereon shall be entered upon the records of the Department, and a signed copy shall be furnished the applicant. (Ord. 12-13 § 2, 2012)

15.82.030 Appeals.

Whenever the Building Official disapproves an application or refuses to grant a permit applied for, or when it is claimed that the provisions of the code have been misconstrued or wrongly interpreted, the applicant may appeal from the decisions of the Building Official to the Mayor/City Manager within thirty days from the date of the decision. The appointment of the appeals board will be on a case-by-case basis with the members of said board comprised of local design professionals, contractors, inspectors or other members of the public deemed knowledgeable of the subject matter by the Mayor/City Manager. (Ord. 12-13 § 2, 2012)

15.82.040 Local amendments to the International Fuel Gas Code, 2009 2015 Edition.

The amendments to the International Fuel Gas Code, 2009 2015 Edition, as published by the International Conference of Building Officials are hereby adopted by the City of North Pole as follows:

Section 101.3 Appendices. Add the following to this section.

Appendices A, B, C and D are hereby adopted.

Except for Sections 101, 102, and the following amendments, delete Chapter 1 in its entirety and refer to the City of North Pole Administrative Code, Chapter 15.04.

Section 101.2 Scope. Add the following sentence after the first sentence.

The storage system for liquefied petroleum gas including tanks, containers, container valves, regulating equipment, meters, and/or appurtenances for the storage and supply of liquefied petroleum gas for any building, structure, or premises shall be designed and installed in accordance with the International Fire Code and NFPA 58.

Section 101.2 Scope. Exception. Delete this exception in its entirety.

Section 101.2.4 Systems, appliances and equipment outside the scope. Delete Number 13, Temporary LP-gas piping.

Section 101.5. Severability. Add a sentence as follows:

The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law.

Section 102.8 Referenced codes and standards. Add four subsections at the end of this section as follows:

102.8.3 Plumbing. Where reference to any Plumbing Code is made in this Code it shall be taken to mean the *Uniform Plumbing Code* as adopted and amended by the City of North Pole.

102.8.4 Electrical. Where reference to any Electrical Code is made in this Code it shall be taken to mean the *National Electrical Code* as adopted and amended by the City of North Pole.

102.8.5 Administrative. The provisions of the City of North Pole Administrative Code, Chapter 15.04 shall apply to the administration and enforcement of this code. Where provisions of the City of North Pole Administrative Code and this code conflict, the most restrictive shall apply.

102.8.6 Energy. Where reference is made in this Code to the International Energy Conservation Code it shall be taken to mean the *IECC* as currently adopted by the City of North Pole.

Section 201.3 Terms defined in other codes. Delete this section and replace as follows.

Where terms are not defined in this code and are defined in the *International Building Code*, *National Electrical Code*, *International Fire Code*, *International Fuel Gas Code* and the *Uniform Plumbing Code*, such terms shall have meanings ascribed to them as in those codes.

Section 201.4 Terms not defined. Amend this section by adding the following sentence.

Webster's Third New International Dictionary of the English Language, Unabridged shall be considered as providing ordinarily accepted meanings.

Section 301.2.Energy utilization. Delete this section in its entirety.

Section 301.16.Penetration Weatherproofing. Add this section and the following after section 301.15.

Joints at roofs and exterior walls around pipes, ducts, appurtenances or equipment shall be made watertight by the use of approved materials.

Section 301.17.Meter Protection. Add this section and the following.

It shall be the responsibility of the Gas piping system permit-holder to provide physical damage protection and adverse weather protection as approved by the Building Department for the meter-set and piping connection to it.

Section 301.18 Carbon Monoxide Alarms. Add this section numbering, title, and the following after section 301.17.

Where a fuel-fired appliance is installed or replaced in an existing dwelling an approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms. A single station, battery-operated carbon monoxide alarm shall be listed as complying with UL 2034 and shall be installed according to the manufacturer's installation instructions.

Section 303.4.Protection from vehicle impact damage. Add the following at the end of Section 303.4.

Fuel-fired equipment and appliances located within the direct perpendicular path of a garage door opening of eight feet or less in height shall comply with Section 303.4.1

Section 303.4.1.Fuel-fired appliance protection. Fuel-fired appliances and equipment located in the direct path for vehicles as described in 303.4 shall be protected from impact with one of the following methods.

1. A minimum schedule 40 nominal 3 inch diameter steel pipe 30 inch high, with a vertical face at least 6 inch in the direction of vehicle approach and:
 - 1.1 Buried a minimum 2 foot 0 inch deep in compacted soil and imbedded in at least 4 inch nominal concrete slab.
 - 1.2 Set in a minimum 1 foot 0 inch x 1 foot 0 inch x 1 foot 0 inch block of concrete (slab included).
2. A platform on which the equipment sits, at least 24 inch high, extended at least 6 inch greater than the equipment footprint (including attachments such as burners and controls) in the direction of vehicle approach and in contact with the structure opposite the direction of vehicle approach.
3. An approved system of equivalent resistance to vehicle impact extending at least 6 inch ahead of the equipment's footprint in the direction of vehicle approach, including attachments such as burners and controls.

303.7 Pit locations. Add the following sentence at the end of this Section.

Liquefied petroleum gas piping shall not serve appliances located in a pit or basement where heavier-than-air gas might collect to form a flammable mixture.

Section 304.6 Outdoor combustion air. Delete this section in its entirety and replace as follows.

Combustion air for gas-fired appliances shall be provided on a basis of 1 square inch per 4000 Btu per hour of the total input rating of all equipment. In lieu of this requirement, combustion air may be provided in accordance with Table 304.6, but shall not be less than the sum of the areas of all vent connectors in the space. Combustion air may be provided from one opening directly communicating with the outdoors or through a vertical or horizontal duct from the outdoors or spaces that freely communicate with the outdoors. The opening into the enclosure containing the appliances shall be located no lower in elevation than 2/3 the distance from the top of the finished floor to the bottom of the finished ceiling in the enclosure.

TABLE 304.6 COMBUSTION AIR - CATEGORY I GAS APPLIANCES ONLY*

Appliance Size Btu Input Rating	C/A Duct Minimum Free Area (square inches)	Minimum Round Duct Size (inches)
Up to 120,000	28	6
120,000 to 155,000	38	7
155,000 to 175,000	50	8

*Note: Category II, III and IV gas appliances may use Table 7-1 as amended for oil-fired appliances per Chapter 7 of the 2015 International Mechanical Code.

Section 304.10 Louvers and grilles. Amend the fourth sentence as follows.

Screens shall have a mesh size not smaller than ½ inch.

Section 304.11 Combustion Air Ducts. Delete #4, #5, and #6 and refer to section 304.6 as amended.

Section 304.11 Combustion air ducts. Delete # 8 and replace with the following.

8. Combustion air intake openings located on the exterior of a building shall have the lowest side of such openings located not less than 18 inches vertically from the adjoining finished ground level or an approved alternative means provided to prevent snow blockage.

Section 305.1.1 Fuel-fired equipment startup report. Add this subsection and the following.

A startup report is required for all fan-assisted or power-burner fuel-fired equipment indicating the following conditions and others which the manufacturer recommends in their installation instructions. A non-returnable copy must be provided to the inspector for insertion in the Building Department project files.

- Company, Name, address, and Phone Number of Startup Technician
- Manufacturer and Model No. of Equipment
- Date and Time of Startup and Noted Readings
- Net Stack Temperature
- Overfire Draft
- Breech Draft
- Stack Draft
- CO
- CO₂ or O₂
- Actual Rate of fuel input

Section 305.13.Area served. Add this section and the following.

Appliances serving different areas of a building other than where they are installed shall be permanently marked in an approved manner that uniquely identifies the appliance and the area it serves.

Section 310 Electrical Bonding. Add subsection 310.2 and the following at the end of this section.

310.2 Prohibited connection. The required gas piping system bonding connection to the electrical service grounding system shall not be made to any part of the gas service meter set equipment owned and operated by the Gas Utility Company. Bonding shall be on the customer side of the meter and regulator set. A direct bonding connection to Corrugated Stainless Steel Tubing is prohibited and bonding connections to Corrugated Stainless Steel Tubing systems shall be completed according to the specific tubing manufacturer's instructions.

Section 401.11 Prohibited future piping. Add this section and the following.

Installation of piping for future use beyond a capped or plugged tee outlet is prohibited without the extension of the installation through the gas piping outlet(s) for specified equipment and appliances.

Section 403.10.4 Metallic fittings. Revise this section by deleting the words "cast iron" in #2 and deleting #5

Section 406.4.1 Test pressure. Amend the first sentence of this section as follows.

Test pressure to be used shall be no less than 1 ½ times the proposed maximum working pressure, but not less than 10 psig.

Section 406.8.Add a new section as follows.

Section 406.8.Temporary Gas Installations. The installation of temporary gas shall comply with this section.

- 216 **406.8.1** Temporary gas approval may be given to provide heating prior to the completion of the
217 building's primary heating system.
- 218 **406.8.2**
- 219 **406.8.3** The heating appliance must be listed and labeled for its use to provide space heating and
220 installed according to the manufacturer's installation instructions, including all the
221 manufacturer's required clearances to combustibles.
222
- 223 **406.8.4** The return air for furnaces used for temporary heat shall ducted from a minimum of 10
224 feet from the appliance.
225
226
- 227 **406.8.5** Portable space heaters shall be provided with one hundred percent (100%) outside air to
228 the back end of the heater and the regulator vented to outside the space being heated.
229
- 230 **406.8.6** Gas hose used for temporary heaters shall be an approved type and all manufacturers'
231 listed clearances shall be maintained. The hose shall have an internal wire mesh or braid
232 to render it "kink proof". This wire mesh or braid shall run the full length of the hose.
233 Each time a section of hose is used it shall be tested at a minimum of sixty (60) psi air
234 pressure and labeled with temporary approval by the Building Department. The absence
235 of the temporary approval label any time after gas service is supplied shall be cause to
236 discontinue temporary gas service.
237
- 238 **406.8.7** Corrugated Stainless Steel Tubing used for temporary gas service must be installed and
239 approved as a permanent installation. Unsupported, unprotected CSST is specifically
240 prohibited.
241
- 242 **406.8.8** Temporary gas valve outlets not connected to an appliance or equipment shall be plugged
243 or capped leak tight.
244

245 **Section 410.3.2 Regulator Vent Openings.** Add the following subsection.
246

247 Regulator vent openings shall not be located closer than 10 feet horizontally to any mechanical
248 outdoor air intake opening or 3 feet horizontally from any gravity outdoor air intake opening,
249 including opening doors and windows, unless such vent opening is at least 2 feet above the air intake
250 opening. Regulator vent openings must be at least 12 inches above the anticipated snow level of 18
251 inches. Regulator vent openings shall not be located closer than 5 feet to any electrical equipment
252 including service disconnects, electrical meters, receptacles, etc., unless such electrical equipment
253 meets the requirements of Article 500 and 501 of the National Electrical Code.
254

255 **Section 501.3 Masonry chimneys.** Add the following sentence at the end of this section.
256

257 Exterior masonry chimneys shall not be used to vent gas appliances.
258

Section 501.6 Positive pressure. Amend this section by adding the following paragraph and subsection at its end.

Vents taller than 15 foot in height serving positive pressure equipment must be provided with provisions for an atmospheric balanced draft per 501.6.1.

501.6.1.1.1 Positive pressure greater than 15 feet in height. For positive pressure equipment with venting system greater than 15 feet in height, provide an atmospheric balanced draft vent, i.e. provide a barometric draft regulator. The height of the vent shall be measured from the base of the appliance to the outlet of the chimney. Vent must be sized to prevent positive pressure. Multiple heating appliances connected to a vent greater than 15 feet in height shall be provided with separate draft or atmospheric controls for each appliance.

Section 502.5 Installation. Add the following sentence at the end of this section.

Vertical Vent terminations above a roof must extend at least 18 inches above the roof. Vent terminations through a wall must be at least above an anticipated snow depth of 18 inches.

Section 502.8 Location and support of venting systems other than masonry chimneys. Add this section with the following.

Vent terminations that penetrate a metal roof with a slope greater than 2:12 shall be protected by an ice dam or deflector of a type and design approved by the Code Official.

Section 502.9 Vent height limitations. Add this section with the following.

Vents which do not exceed 15 feet in height need not be provided with an atmospheric draft or control device unless required by Section 501.6. The height of the vent shall be measured from the base of the appliance to the outlet of the chimney. The entire length of the vent shall be factory sealable. The vent must be sized to avoid negative pressure.

Section 502.10 Vent Enclosure. Add this section with the following.

Venting systems installed with greater than 5 feet of developed length outside the building's thermal envelope shall be enclosed with at least an R-11 enclosure from the penetration of the thermal envelope to a point no greater than 5 feet from the vent's outlet.

Section 503.3.6 Above-ceiling air-handling spaces. Add the following sentence to Item No. 1:

The vent material shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 50 when tested in accordance with ASTM E84.

Section 614.2 Duct penetrations. Delete this section in its entirety and replace with the following.

303 Ducts that exhaust clothes dryers shall not penetrate required fire-resistive assemblies unless enclosed
304 in a fire-resistive shaft complying with the building code

CITY OF NORTH POLE

ORDINANCE 17-12

AN ORDINANCE AMENDING TITLE 15, BUILDING AND CONSTRUCTION

WHEREAS, changes to the North Pole Municipal Code is a continually changing requirement;
and

WHEREAS, the City of North Pole Municipal Code should be amended to conform to the requirements of the City.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of North Pole:

Section 1. This ordinance is of a general and permanent nature and shall be codified.

Section 2. Amend Title 15, Building and Construction, by adopting by reference the following national building codes as follows and with the attached amendments;

- A Chapter 15.12: Building Code; International Building Code, 2015 edition
 - 1. Delete existing Sections A through TTTT and replace with attached amendments; and retain Section UUUU but strike section label UUUU
- B Chapter 15.20: Residential Code; International Residential Code, 2015 edition
 - 1. Delete existing Sections A through MMMM and replace with attached amendments
- C Chapter 15.28: Mechanical Code; International Mechanical Code, 2015 edition
 - 1. Delete existing Sections A through SS and replace with attached amendments
- D Chapter 15. 36: Electrical Code; National Electrical Code, 2014 edition
 - 1. Delete existing Sections A through R and replace with attached amendments
- E Chapter 15. 42: Plumbing Code; Uniform Plumbing Code, 2014 edition
 - 1. Delete existing Sections A through ZZ and replace with attached amendments
- F Chapter 15.82: Fuel Gas Code; International Fuel Gas Code, 2015 edition
 - 1. Delete existing Sections A through II and replace with attached amendments

Section 3. Effective Date. This ordinance shall be effective at 5:00 p.m. on the first City business day following its adoption.

PASSED AND APPROVED by a duly constituted quorum of the North Pole City Council this 15th day of May, 2017.

Bryce J. Ward, Mayor

ATTEST:

Kathryn M. Weber, MMC
North Pole City Clerk

1 **Chapter 15.12**

2 **INTERNATIONAL BUILDING CODE**

3 Sections:

4 **15.12.010. Adoption.**

5 **15.12.020. Modifications.**

6 **15.12.030. Appeals.**

7 **15.12.040. Building permits – Compliance with ordinances.**

8 **15.12.050. Moving buildings.**

9 **15.12.060. Local amendments to the International Building Code, 2009 2015 Edition.**

10
11 **15.12.010 Adoption.**

12 The International Building Code (IBC), 2009 2015 Edition, as published by the International Conference
13 of Building Officials, together with the local amendments as set forth in this chapter, shall constitute the
14 laws of the City relating to building regulations. Where the IBC conflicts with this code this code shall
15 prevail. An electronic copy of the IBC and referenced standards is retained at the City offices. (Ord. 16-12
16 § 2, 2016; Ord. 12-07 § 2, 2012)

17
18 **15.12.020 Modifications.**

19 The Building Official shall have the power to modify any of the provisions of the International Building
20 Code adopted by this chapter upon application in writing by the owner or lessee or his duly authorized
21 agent, when there are practical difficulties in the way of carrying out the strict letter of the code; provided,
22 that the spirit of the code is observed, public safety secured, and substantial justice done. The particulars
23 of the modification, when granted or allowed, and the decision of the Building Official thereon shall be
24 entered upon the records of the Department, and a signed copy shall be furnished the applicant. (Ord. 12-
25 07 § 2, 2012)

26
27 **15.12.030 Appeals.**

28 Whenever the Building Official disapproves an application or refuses to grant a permit applied for, or
29 when it is claimed that the provisions of the code have been misconstrued or wrongly interpreted, the
30 applicant may appeal from the decisions of the Building Official to an appeals board of five members to
31 be appointed by the Mayor/City Manager within thirty days from the date of the decision. The
32 appointment of the appeals board will be on a case-by-case basis with the members of said board
33 comprised of local design professionals, contractors, inspectors or other members of the public deemed
34 knowledgeable of the subject matter by the Mayor/City Manager. (Ord. 12-07 § 2, 2012)

35
36 **15.12.040 Building permits – Compliance with ordinances.**

37 It is established that no permit will be issued for the construction of new buildings or building within the
38 corporate limits of the City which is inconsistent with the current comprehensive plan of the City or any
39 City ordinances and regulations. (Ord. 12-07 § 2, 2012)

40 **15.12.50 Moving buildings.**

41
42 A. No building of any kind or nature shall be moved to a location in the City from outside the limits of the
43 City without approval of the Building Official, and, in the event any persons move into the City a
44 building from a location outside the City, he or they shall not be permitted to use the building either for

residential or business purposes until the Building Official has approved the building for the purpose intended.

B. No building which is more than eight feet six inches wide, more than thirteen feet six inches above the ground, more than seventy feet zero inches total length including trailer, more than four feet zero inches in rear overhang, more than three feet zero inches in front overhang or more than the allowable road weight limitations shall be moved upon the City streets without first obtaining a moving permit. Before a moving permit may be issued, the following items must be provided: a copy of the State transport permit, proof of insurance, the proposed route and time and a bond of \$1,000 (one thousand dollars) in the form of a certified check payable to the City. The moving permit must have the written approval of both the Building Official and Chief of Police or their designee. The bond will be returned less any expenses incurred by the City repairing public facilities, utilities or roadways damaged during the move. (Ord. 12-07 § 2, 2012)

15.12.060 Local amendments to the International Building Code, 2009 2015 Edition.

The amendments to the International Building Code, 2009 2015 Edition, as published by the International Conference of Building Officials and the State of Alaska 13 AAC 50.020 Building Codes (~~see the attachment to the ordinance codified in this section~~) are hereby adopted by the City of North Pole as follows:

Chapter 1 Scope and Administration. Delete this chapter, except for Sections 101.2 and 101.2.1, and replace with the Administrative Code, Chapter 15.04.

Section 101.2.1 Appendices. Amend this section to read as follows: Appendices E and H are hereby adopted.

Section 202 Definitions. Create the following new definitions:

Family Child Care Home. A licensed facility that is located within a single-dwelling unit dwelling in which personal care services are provided by the owner or tenant that normally occupies the residence on a twenty-four hour basis.

Water Dispenser. A plumbing fixture that is connected to the potable water distribution system of the premises and manually controlled by the user for the purpose of dispensing potable drinking water into a receptacle such as a cup, glass, or bottle. Or, a freestanding apparatus that is manually controlled by the user for the purpose of dispensing potable water into a receptacle which is not connected to the potable water distribution system and supplied with potable water from a container, bottle, or reservoir.

Section 202 Definitions. Delete the following definitions and replace as follows:

Foster Care Facilities. Facilities that provide care on a 24-hour basis to more than five children 2 ½ years of age or less, including children related to the staff, shall be classified as Group I-2.

Nursing homes. Facilities that provide care, including both intermediate care facilities and skilled nursing facilities, serving more than two persons and any of the persons are incapable of self-preservation.

Townhouse. A single-family dwelling unit constructed in a group of two or more attached units in which each unit extends from foundation to roof and with a yard or public way on at least two sides. Each townhouse shall be considered a separate building as recognized by a recorded lot line between such units. Each townhouse unit shall be provided with separate water, sewer, heating and electrical services.

Section 305.2 Group E, day care facilities. Revise this section as follows:

This group includes buildings and structures or portions thereof occupied by more than five children older than 2½ years of age, including children related to the staff, who receive educational, supervision or personal care services for fewer than 24 hours per day.

Section 305.2.3.Delete this section and replace as follows::

Section 305.2.3.Family child care homes.

Family child care homes operating between the hours of 6:00 am and 10:00 p.m. may accommodate a total of twelve children, provided that no more than 5 children are under the age of 2 ½ years. Family child care homes as defined are classified as an (R3) occupancy and shall comply with section 907.2.11 (smoke alarms), section 915 (carbon monoxide detection) and section 1030 (emergency escape and rescue openings) for napping and sleeping rooms. Fire extinguishers shall be provided in accordance with the International Fire Code.

Section 305.3 Day Care Hours of Operation. Create a new section title to read as follows:

Day care hours of operation. A Day Care that operates between the hours of 10:00 p.m. and 6:00 a.m. shall be equipped with an approved automatic sprinkler system throughout, designed and installed in accordance with NFPA Standard 13 or equivalent system as approved by the Fire Chief. An approved emergency escape or rescue window meeting the requirements of IBC Section 1030 shall be provided in each sleeping or napping room. Smoke alarms and carbon monoxide detection shall be installed in accordance with sections 907.2.11 and 915. Fire extinguishers shall be provided in accordance with the International Fire Code. A Family Child Care Home that operates between the hours of 10:00 p.m. and 6:00 a.m. shall be equipped with an approved automatic sprinkler system throughout, designed and installed in accordance with NFPA Standard 13D or equivalent system as approved by the Fire Chief.

Section 308.3 Institutional Group I-1. Delete sections 308.3.3 and 308.3.4 and replace with the following:

Section 308.3.3 Three to 16 persons receiving custodial care. A facility housing more than 2 persons and no more than 16 persons receiving custodial care shall be classified as a Group R-4.

Section 308.3.4 Fewer than 3 persons receiving custodial care. A facility with fewer than 3 persons receiving custodial care shall be classified as a Group R-3 or shall comply with the International Residential Code, as amended by the City of North Pole.

Section 308.4 Institutional Group I-2. Revise the first sentence of this section to read as follows:

Institutional Group I-2 occupancy shall include buildings and structures used for medical care on a 24-hour basis for more than two persons who are incapable of self-preservation.

Section 308.4 Institutional Group I-2. Delete section 308.4.2 and replace with the following:

Section 308.4.2.Fewer than 3 persons receiving medical care. A facility with fewer than 3 persons receiving medical care shall be classified as a Group R-3 or shall comply with the International Residential Code, as amended by the City of North Pole.

308.6 Institutional Group I-4, day care facilities. Revise the first sentence of this paragraph to read as follows:

Institutional Group I-4 shall include buildings and structures, or portions thereof occupied by more than five persons of any age, including persons related to the staff, receiving custodial care for fewer than 24 hours per day.

Section 310.5 Residential Group R-3.Delete the following in this section.

Care facilities that provide accommodations for five or fewer persons receiving care.

Section 310.5.1 Care facilities within a dwelling. Delete this section in its entirety.

Section 310.6 Residential Group R-4.Delete this paragraph in its entirety and replace as follows:

Residential group R-4 occupancy shall include buildings, structures, or portions thereof for more than two but not more than 16 persons, excluding staff, who reside on a 24-hour basis in a supervised residential environment and receive custodial care. Occupancies which include Individuals who are not capable of responding to an emergency situation or incapable of self-preservation shall be classified as an I occupancy. Group R-4 shall be classified as either, Condition 1, as specified in 310.6.1, and sprinklered throughout as required by 903.3.1.3, or Condition 2, as specified in 310.6.2, and sprinklered throughout as required by section 903.3.1.2.This group shall include, but not be limited to, the following:

Section 406.3.4.Separation. Delete sections 406.3.4.1-406.3.4.3 and replace as follows.

406.3.4.1 Dwelling Unit Separation. The private garage shall be separated from all dwelling units by a one hour fire resistive wall assembly. The fire resistive wall may terminate at the ceiling provided: a) the ceiling framing construction is protected by a layer of 5/8 inch thick type X gypsum board and the area above the ceiling is a non-habitable attic space. Garages located beneath habitable rooms or dwelling units shall be separated by an approved one hour fire resistive horizontal floor ceiling assembly and one hour fire resistive vertical wall assemblies. Penetrations of the fire resistive assemblies shall be fire stopped with materials approved for the hourly rating. Door openings between a private garage and a dwelling shall be provided with a minimum rating of 45 minutes and be equipped with self-closing and self-latching doors. In addition these doors shall be provided with gasket seals on the top and sides including installation of a tight fitting threshold. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted.

406.3.4.2. Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum 0.019-inch (0.48mm) sheet steel (28 gauge galvanized steel) and shall have no openings into the garage. The duct shall be firestopped with materials approved for a one hour fire resistive assembly.

406.3.4.3.A separation is not required between a group R-3 and U carport, provided the carport is entirely open on two or more sides and there are not enclosed areas above.

Section 413.3 Usable space under floors. Add a new subsection to read as follows:

Usable space under the first story shall be enclosed except in groups R-3 and U occupancies, and such enclosure when constructed of metal or wood shall be protected on the side of the usable space as required for one hour fire resistive construction. Doors shall be self-closing, of noncombustible construction or solid core, not less than 1 3/8 inch inches in thickness or a twenty minute door assembly may be used.

Exception: Areas protected by approved automatic sprinkler systems.

Section 501.3 Location on property. Create a new section to read as follows:

For the purposes of allowable area limitations, required yards shall be permanently maintained. Buildings shall adjoin or have access to a permanent public way or yard on not less than one side.

Table 509 Incidental Uses. Amend table by adding footnote (a) to read as follows:

footnote (a).Regardless of the Btu rating, psi rating or horsepower rating a one hour separation or automatic fire-extinguishing system is required for furnace or boiler rooms providing heat for group E, R-1, R-2, I and R-4 Occupancies

Table 601 Fire-resistance rating requirements for building elements. Add footnote (g) to Columns IIA, IIIA, and VA.

g. In group E Occupancies, an automatic sprinkler system may be substituted for 1 hour fire-resistance-rated-construction provided the system is designed in accordance with section 903.3.1.1. The 1-hour substitution for the fire resistance of exterior walls shall not be permitted.

Section 603.1 Allowable Materials. Add the following item to allowable materials.

1.4 Fire-retardant treated wood may be used as furring for exterior bearing and nonbearing wall construction provided the building is sprinklered throughout and the required fire rating of the wall is 2 hours or less.

Section 718.4.2 Groups R-1 and R-2.

Delete the last sentence in its entirety and replace with the following:

Draft stops in attic spaces shall be installed so that the maximum area between draft stops does not exceed 3,000 square feet, and the greatest horizontal dimension does not exceed 60 feet. Such draft stops are not required to be located directly above or in line with walls separating tenant spaces.

Delete exception 1 in its entirety.

Revise exception 3 to read as follows:

In R-2 occupancies that do not exceed four stories in height, the attic space shall be subdivided into areas not exceeding 3,000 square feet.

Section 808.1.1.1 Suspended acoustical ceilings. Delete this section in its entirety and replace as follows:

Suspended acoustical ceiling systems shall be installed in accordance with the provisions of ASTM C635 and ASTM C636 and the following installation standards.

1. A heavy duty-rated grid system shall be used in all occupancies. The perimeter wall angle shall be deemed to provide structural support for the perimeter cross-tee and main runner intersections and the edge support for the ceiling tiles provided it is secured.

Exception: Intermediate duty rated systems may be used in R-3 Occupancies.

2. Changes in the ceiling plane elevation shall be provided with structural support or additional wires capable of maintaining a positive bracing system.

3. Cable trays and electrical conduits shall be independently supported and braced independently of the ceiling.

4. Compression posts are not required if the distance from the plane of the suspended ceiling and the lowest structural framing elements are 24 inches or less.

5. Cross-tees, which are 8 inches or less in length and located at the perimeter of any room, do not require additional vertical 12 gauge support wires.

6. A 90 degree cross tee return system may be used to support the cross-tee to the perimeter wall angle. Rivets, zip-it wall anchors and/or screws may be used to positively attach the cross tee to the

perimeter wall angle or wall substrate in lieu of additional perimeter wires. The installation shall be in accordance with this suspended ceiling policy.

7. Lighting fixtures seismically supported in accordance with CISCA 3-4 are not required to be positively attached to the suspended grid members.

8. Recessed can or bullet type lighting fixtures weighing less than 20 pounds shall be supported to the grid system and shall be positively attached to the structure above with a minimum of one 12 gauge wire or safety chain. Fixtures weighing more than twenty pounds shall be supported with a minimum of two 12 gauge wires or two safety chains attached to the fixture and secured to the structure above. These wires may be slack.

9. Suspended acoustical ceiling systems may not be used to provide lateral support for non-bearing partitions unless: a) designed by an engineer or b) installed in accordance with an approved evaluation report recognized by the International Building Code.

10. Ceiling mounted air terminals weighing less than 20 pounds shall be positively attached to the ceiling suspension main runners or cross tees having the same carrying capacity as the main runners. Air terminals weighing more than twenty pounds shall be provided with a minimum of two 12-gauge wires, connected from the terminal to the structure above and shall be positively attached to the grid system.

11. Corridors which are 6 feet in width or less may have the seismic splay wires installed in the direction of the long axis of the corridor. These splay wires shall be spaced 12 feet on center and splayed at a 45 degree angle. Splay wires are not required in the short axis of the corridor.

12. When all ceiling tiles are replaced in an existing non-complying suspended ceiling, the lights and mechanical air terminals shall be upgraded and seismically braced prior to the new tile installation.

13. When lighting fixtures are replaced or relocated in an existing suspended ceiling, the new lights or relocated lights shall be seismically-braced in accordance with CISCA 3-4 and this section.

14. When mechanical ductwork or air terminals are altered or relocated in an existing suspended ceiling, those mechanical devices shall comply with the seismic requirements with CISCA and this section.

15. When 50% or more of the grid system is replaced or altered, the entire grid system shall be upgraded to meet the current seismic standards in accordance with CISCA 3-4.

16. Two inch wide perimeter angles are not required.

Section 903.2.3 Group E. Delete this section in its entirety and replace as follows:

An automatic sprinkler system shall be provided throughout all Group E occupancies. An automatic sprinkler system shall also be provided for every portion of educational buildings below the level of exit discharge. Day care uses that are licensed to care for more than 5 persons between the hours of 10 p.m. and 6 a.m. shall be equipped with an automatic sprinkler system designed and installed in accordance with Section 903.3.1.3, or an approved equivalent system. The use of a firewall or fire barrier does not establish a separate building or fire area for the purpose of this section.

Exceptions:

1. Buildings with E occupancies having an occupant load of 49 or less.

2. Day care uses not otherwise required to have automatic sprinkler system by other provisions of the code.

Section 903.2.11.7.Pit Sprinklers. Add a new subsection and title to read as follows:

Pit Sprinklers. Sprinklers shall be installed in the bottom of all new and existing elevator pits below the lowest projection of the elevator car but no higher than 24 inches from the bottom of the pit.

Section 903.3.1.1 NFPA 13 sprinkler systems is revised by adding a new Subsection 903.3.1.1.3 to read as follows:

Elevator Hoist ways and Machine Rooms. Where the provisions of this code require the installation of automatic sprinkler systems, such installation in Elevator hoist ways and machine rooms shall be in accordance with NFPA [13, Section 5-13.6.1] 13-2002 and ASME A17.1 Safety Code for Elevators and Escalators, 2010 edition.

Exception:

Sprinklers may be deleted in an elevator machine room when such room is:

- (1).Separated from the remainder of the building in accordance with Section 3005.4.
- (2).Smoke detection is provided in accordance with NFPA 72
- (3) Notification of alarm activation is received at a constantly monitored location.

Section 903.4.2 Alarms. Amend this section by adding the following sentence to the paragraph:

Buildings equipped with a sprinkler system without an alarm system shall have at least one notification device (horn/strobe) located inside the building in a commonly occupied area to alert occupants of a sprinkler activation.

Section 907.2.3 Group E. Revise this section by adding a second paragraph to read as follows:.

Rooms used for sleeping or napping purposes within a day care use for a Group E occupancy shall be provided with smoke alarms that comply with section 907.2.11 and carbon monoxide detection as specified in section 915.

Section 915.1 General. Revise the last sentence of this paragraph to read as follows.

Carbon monoxide detection shall be installed in existing buildings in accordance with Chapter 11 of the International Fire Code and this section.

Section 915.3 Detection equipment. Add a sentence to this section to read as follows.

In new construction, all carbon monoxide detectors and alarms located within a single dwelling unit shall be interconnected in such a manner that actuation of one alarm shall activate all of the alarms within the individual dwelling unit.

Section 915.1.7 Vehicle parking. Add this subsection and the following.

Carbon monoxide detection shall be provided where there is located any vehicle parking within 25 feet of any direct air intake openings.

915.4.1 Power Source. Revise the Exception to read as follows.

Exception: Where installed in existing buildings or in buildings without commercial power, battery-powered carbon monoxide alarms shall be an acceptable alternative.

Section 1010.1.9.3 Locks or Latches. Add condition 6 as follows:

6. In Groups B, F, M and S occupancies, a single thumb turn may be used in exit doors, where the occupant load is 100 or less, in conjunction with an approved lock set when the thumb turn requires no more than one-half turn to unlock. Hardware height shall comply with Section 1010.1.9.2. This exception does not apply when panic hardware is required or installed.

Section 1010.1.9.3.1 Manual security bar for limited use. Create a new subsection and title to read as follows:

Manual security bar for limited use. Assembly occupancies such as restaurants, taverns and lounges and B,F,M,S occupancies with an occupant load of less than 100 may utilize a manual security bar for the second required exit when the building is not occupied by the public. The security bar shall be pre-approved by the fire marshal before installation. The bar must be easily removed and shall not be provided with padlocks, chains or other locking devices requiring special tools or knowledge. The bar shall be identified by a contrasting color. The exit door shall be provided with a sign stating, "This door to remain unlocked during business hours." The use of this provision may be revoked by the fire marshal for non-compliance.

Assembly occupancies with an occupant load of 300 or less which are provided with an approved sprinkler system throughout may install a security bar on the second required exit as specified above. The conditions and approval of the security bar installation shall be kept on file with the fire marshal. The use of this provision may be revoked by the fire marshal for noncompliance.

Section 1011.5.2 Riser height and tread depth. Amend section by adding an exception #6 to read as follows:

Stairs or ladders used only to attend equipment are exempt from the requirements of Section 1011.

Section 1006.3.2.3 Exits from basements. Create a new subsection and title to read as follows:

Exits from basements.

Basements in all occupancies except Group R-3, shall be provided with a minimum of at least two independent exits.

Exceptions:

1. Basements used exclusively for the service of the building.
2. Basements used exclusively for storage purposes and limited to 750 square feet.
3. Basements used for private offices, maintenance rooms or laundry rooms and similar uses limited to an aggregate floor area of 500 square feet, provided a hard wired smoke detector is installed in the basement and interconnected to a smoke detector located on the level of discharge as approved by the City Fire Marshal.
4. Basements used for private offices, maintenance rooms or laundry rooms and similar uses which are provided with a direct exterior exit to grade shall be limited to an aggregate floor area of 750 square feet, provided a hard wired smoke detector is installed in the basement and interconnected to a smoke detector on the level of exit discharge as approved by the City Fire Marshal.
5. Buildings which are sprinklered throughout and contain a basement may have one exit provided:
 - 5.1 Basements are used exclusively for storage purposes and limited to 1500 square feet.
 - 5.2 Basements are used for private offices, maintenance rooms, or laundry rooms and similar uses limited to an aggregate floor area of 1000 square feet.
 - 5.3 Basements are used for private offices, maintenance rooms or laundry rooms and similar uses and are provided with a direct exterior exit to grade shall be limited to an aggregate floor area of 1500 square feet.

Section 1030.1.General. Revise the first sentence of the paragraph to read as follows:

In addition to the means of egress required by this chapter, provisions shall be made for emergency escape and rescue in Group R, I-1, and day care occupancies where napping or sleeping rooms are provided.

Section 1030.1 Delete exception 1

Section 1030.2 Minimum size. Delete the exception.

1101.2 Design. Add the following Paragraph:

The design and construction of buildings or portions of buildings to meet the requirements of the Americans with Disabilities Act and Fair Housing Act is the exclusive responsibility of the owner of the structure.

1102.1 Definitions. Add the following definitions:

CONVENTIONAL INDUSTRY TOLERANCES: Plus or minus ½ inch up to 36 inches and plus or minus 1 percent over 36 inches. Slopes may be plus or minus 1 percent.

ADAPTABLE: The ability of certain building spaces and elements, such as kitchen counters, sinks, and grab bars, to be added or altered so as to accommodate the needs of either disabled or non-disabled persons, or to accommodate the needs of persons with different types or degrees of disability.

1103.1 Where required. Add the following sentence to this section:

Subject to the approval of the Building Official, areas where work cannot reasonably be performed by persons having a severe impairment (mobility, sight or hearing) need not have specific features which provide accessibility to such persons.

1103.2.3 Detached dwellings. Delete this paragraph as replace as follows:

Detached one and two family dwellings and three unit dwellings, including accessory structures and their associated sites and facilities, are not required to be accessible.

1108.2.7 Assistive listening systems. Add the following sentence to this section:

Assistive listening systems shall be required in groups B, E, and M occupancies which contain rooms of assembly.

1111.1 Signs. Delete the Exception to Item 1.

1111.3 Other signs. Add the following item to this section:

8. Building directories are required for the following occupancies as defined by the building code: Groups A, B, E, I and M greater than 6000 sq. ft. or more than one story. Regardless of building size, directories shall be provided for governmental office buildings, medical care facilities, shopping malls, public transportation facilities, senior citizen housing and hotels. Directories shall be provided within or immediately adjacent to the main entrances as approved by the Building Official. Directory signage shall comply with ICC/ANSI A117.

1112.1 Public telephones. Add a new section as follows:

Public telephones are required in medical care facilities, governmental office buildings, shopping malls, public and private schools, hotels, convention centers, and shall be located on an accessible route. (For the purpose of this section schools which meet the Group E, Division 1 occupancy classification as defined in Chapter 3 of the Building Code shall comply).

1112.2 Public text telephones. Add a new section.

A public text telephone is required in governmental office buildings including police and fire stations, medical care facilities, senior housing facilities, hotels, conventions centers, libraries, public and private schools and shopping malls. A public text telephone is required in or adjacent to a hospital emergency room or hospital waiting room, and shall be located on an accessible route. (For the purpose of this section schools classified as group E, occupancy as defined in Chapter 3 of the building code shall comply).

Section 1203.2 Ventilation required. Delete this section in its entirety and replace with the following:

Enclosed attics and enclosed rafter spaces formed where ceilings are applied direct to the underside of the roof rafters or trusses shall have cross ventilation for each separate space by ventilating openings protected against the entrance of snow and rain. The net free ventilation area for each space shall be not less than 1/150 of that area of the space ventilated. One-half of this required ventilating area shall be provided in the upper one-third portion of the space to be ventilated and the remaining required ventilating area shall be evenly distributed at eave vents. A minimum continuous opening of 1.5 inches in width shall be provided at the eave vents. The openings shall be covered with corrosion-resistant metal mesh covering.

Section 1203.4.1 Openings for under-floor ventilation. Delete sections 1203.4.1 and 1203.4.2 in their entirety and replace with the following:

Each under-floor space shall be ventilated by an approved mechanical means or by openings in exterior foundation walls. Such openings shall have a net area of not less than 0.1 square foot for each 150 square feet of under-floor area. There shall be two openings located as close to corners as practical on opposite sides to provide cross ventilation. The openings shall be covered with corrosion resistant wire mesh approximately 1/4 inch in size. All structures with a crawl space shall have a minimum 6 mil ground vapor retarder to prevent the flow of water vapor from soils into the heated building interior.

Section 1205.2 Natural light. Delete the paragraph in its entirety and replace as follows:

Guest rooms and habitable rooms within a dwelling unit or congregate residence shall be provided with natural light by means of exterior glazed openings with any area not less than one twentieth of the floor area of such rooms with a minimum of 5 square feet, except that minimum egress requirements shall govern.

1209.2 Attic Spaces. Add a sentence as follows:

Attic access shall not be located in a room containing bathing facilities.

1210.2.1 Floors and wall bases. Delete this paragraph and replace with the following:

In other than dwelling units, toilet and bathing room floors shall have a smooth, nonporous, non-absorbent surface such as non-cushioned sheet vinyl, sealed concrete or ceramic tile with sealed joints

or other approved materials. Base shall be of similar materials, shall extend up the wall 4 inches (127 mm) minimum, and shall be sealed to the flooring and wall surface and allowing differential movement without water penetration.

1210.2.2 Walls and partitions wainscot. Revise this section by renaming the section and delete the first paragraph to read as follows:

Walls and partitions wainscot.

Walls and partitions within 2 feet (610 mm) of the front and sides of urinals, water closets and lavatories shall have a smooth, non-porous, hard, non-absorbent surface such as non-cushioned sheet vinyl, sealed concrete, ceramic tile with sealed joints, approved plastic panels, or other approved materials, installed to a minimum height of 4 feet above the finished floor and except for structural elements, the materials in such walls shall be of a type that is not adversely affected by moisture.

1210.2.2. Walls and partitions. Delete exception 1 and 2 and replace as follows:

Exception.

1. Dwelling Units

1210.2.2.1 Walls and partitions moisture resistive gypsum board application. Create a new subsection and title to read as follows:

In addition to the wainscot provisions as required by section 1210.2.2, moisture resistive gypsum board, cement board or other approved material shall be applied to walls within two feet from the front and sides of urinals, water closets, tub, shower, lavatories and service sinks. Moisture resistive gypsum board shall be applied on walls in the spaces as stated above in all occupancies up to a height of 4 feet. Walls immediately adjacent to tub and shower areas shall be provided with moisture resistive gypsum board to a height of 7 feet above the drain inlet.

Chapter 13 ENERGY EFFICIENCY. Delete this chapter in its entirety and refer to the International Energy Conservation Code as amended.

Section 1503.7 Protection from falling snow and ice. Add a new section.

Where the accumulation of snow and/or ice on a structure creates a hazardous condition, the areas below the accumulation shall be protected from falling snow and/or ice. These areas shall include (but not be limited to) building entrances and exits, pedestrian, driveways, public right-of-way and utility locations for gas meters, fire department connections, and electrical meters, services and disconnects.

Section 1507.2.2 Slope. Delete this paragraph and replace as follows:

Asphalt shingles shall be used only on roof slopes of two units vertical in 12 units horizontal or greater. Required underlayment shall be provided as follows: A roof slope of 2:12 shall be provided

with an approved self-adhering polymer modified bitumen on the entire roof surface. A roof slope of 3:12 shall be provided with double underlayment in accordance with section 1507.2.8. Roof slopes of 4:12 or greater shall be provided with a single layer of underlayment in accordance with section 1507.2.8.

Section 1507.2.6 Fasteners. Add an exception to read:

Staples may be substituted for nails on new work only. They must be galvanized or stainless steel with a (1) inch crown and of sufficient length to completely penetrate the shingle and roof sheathing. Staples must be straight and flush with the shingle surface.

Section 1507.2.8 Underlayment application. In the first sentence, change “two units vertical” to “three units vertical”.

Section 1507.2.8.2 Ice barrier. Delete this section in its entirety and replace as follows:

Where a non-energy heel truss design is utilized, an approved self-adhering polymer modified bitumen sheet shall be installed on the roof deck extending from the eave up the roof to 36 inches inside the exterior wall line of the building.

Exception: Detached accessory structures that contain no conditioned floor area.

Section 1608.4 Roof snow loads. Add a new section to read as follows:

In no case shall the roof design snow load be less than 50 psf. There is no snow load duration increase allowed for wood framed or wood trussed roofs. A minimum ground snow load (P_g) of 60 pounds per square foot shall be used in the determination of drift loads.

Section 1608.5.Sliding snow. Create a new subsection and title to read as follows:

Metal roofs with a slope greater than 2:12 shall have barriers installed to resist the sliding action and subsequent dumping of ice and snow on persons and property. These barriers shall be constructed to specifically protect required public parking areas, public walkways, entrances and required exit discharge.

Section 1803.1 General. Add the following sentence to the paragraph.

The effects of soil densification and differential settlement shall also be considered in the investigation, reporting and determination of potential soil strength loss when conditions warrant, also reference Sections 1803.5.11 and 1803.5.12.

Section 1803.5.2.Questionable soil. Add the following sentence to the paragraph.

In the event permafrost conditions are suspected, a soils investigation may be required.

Section 1804.4 Site grading. Add the following sentence to the last paragraph.

It shall be the responsibility of the building owner to assure that discharge of roof and surface runoffs disposed of without affecting adjacent property.

Section 1804.6 Compacted fill material. Delete the first sentence and replace with the following:

Where footings will bear on compacted fill material, the compacted fill shall, when required by the Building Official, comply with the provisions of an approved report, which shall contain the following:

Fill material used to support building foundations and/or floor slabs shall consist of not more than five percent by weight of particles passing the No. 200 sieve and shall be compacted to a minimum of 95 percent of maximum density. The Building Official may require that verification of compaction be submitted in the event a site inspection reveals questionable soil conditions.

Section 1805.4.2 Foundation drain. Delete this section in its entirety.

Section 1806.2 Presumptive load-bearing values. Add a third paragraph to the section to read as follows:

Footings shall bear upon in-situ, coarse-grained soils as defined in ASTM 2487 with the exception of groups SM and SC. Soils grouped in the SM and SC classifications shall be acceptable provided the footings are at a depth as required above and placed upon a minimum of 1 foot-6 inch of compacted, clean gravel fill.

Section 1807.1.6.2.1 Seismic requirements. Replace with:

Plain concrete foundation walls are prohibited in Seismic Design Category D.

Section 1807.1.3 Rubble Stone. Delete this section and referenced tables in its entirety.

Section 1807.1.6.3.1 Masonry foundation walls. Replace 1. with:

Table 1807.1.6.3(2), 1807.1.6.3(3) or 1807.1.6.3(4) for masonry walls with reinforcement. Plain masonry foundation walls are prohibited in seismic design category D.

Table 1807.1.6.3(1) Plain masonry foundation walls. Delete this section in its entirety.

Section 1807.1.6.3.1 Alternative foundation wall reinforcement. Delete this section in its entirety and replace as follows:

In lieu of the reinforcement provisions for masonry foundation walls in table 1807.1.6.3(2), 1807.1.6.3(3) or 1807.1.6.3(4), alternative reinforcing bar sizes and spacing having an equivalent

cross-sectional area of reinforcement per linear foot of wall shall be permitted to be used, provided the spacing of reinforcement does not exceed 48 inches and reinforcing bar sizes do not exceed No.11.

Section 1809.1 General. Delete this section and replace as follows:

Shallow foundations shall be designed by a registered engineer licensed by the State of Alaska. Such design shall comply with sections 1809.2 through 1809.13.

Section 1809.2. Supporting soils. Add the following sentence to the paragraph.

Shallow footings and foundations shall be built on unfrozen, undisturbed, non-frost susceptible soil, compacted unfrozen NSF fill, or controlled low-strength material (CLSM). Compacted fill material shall be placed in accordance with Section 1804.5. CLSM shall be placed in accordance with Section 1804.6.

Section 1809.4 Depth and width of footings. Delete this section in its entirety and replace as follows:

The minimum depth of footings below the undisturbed ground surface shall be 3 foot-6 inch unless substantiated by a design prepared by a registered engineer licensed in the State of Alaska. The minimum width of footings shall be in accordance with a design prepared by a registered engineer licensed in the State of Alaska.

Section 1809.5 Frost protection. Delete item 1 and replace with the following:

1. The minimum depth of footings shall be 3 foot-6 inch below the ground surface.

Delete item 2 under the exceptions and replace with the following:

2. Area of 400 square feet (56 m²) or less for light-framed construction.

Delete the last sentence of the paragraph and replace with the following:

Footings shall not bear on frozen soil.

Section 1809.7 Prescriptive footings for light frame construction. Delete this section in its entirety including table 1809.7 and replace as follows:

Where a specific design is not provided, concrete footings supporting walls of light-frame single family–duplex residential construction are permitted to be constructed in accordance with the City of North Pole Standard Foundation Details SFD1-SFD8. Commercial foundation designs shall be prepared by a registered engineer licensed by the State of Alaska.

Section 1809.8 Plain concrete footings. Delete this section in its entirety.

Section 1809.9 Masonry-unit footings. Delete this section and the exception in its entirety and replace as follows:

Masonry-unit footings shall be reinforced and shall be designed by a registered engineer licensed by the State of Alaska.

Section 1809.12 Timber footings. Add the following sentence to the end of the paragraph.

Timber footings shall be designed by a registered engineer licensed by the State of Alaska.

Section 1905.1.7 ACI 318, Section 14.1.4. Amend this section by revising paragraph 14.1.4 to read as follows:

14.1.4.1 - Structures assigned to seismic design category D, E or F shall not have elements of structural plain concrete.

Section 1905.1.7.ACI 318, Section 14.1.4. Amend this section by further deleting sub paragraphs (a), (b) and (c).

Section 2304.8.2 Structural Roof Sheathing. Add a new paragraph to read as follows:.

Roof sheathing installed on structural supports spaced (2) feet on center shall have a minimum (32/16) span rating with panel edge clips placed midway between such supports. Roof sheathing with a minimum (40/20) span rating may be applied to framing supports spaced at (2) feet on center without panel edge clips.

Section 2304.8.2.1 Spaced lumber sheathing. Add a new subsection and exception to read as follows:

Spaced lumber sheathing installed on roofs located in seismic design category D shall be designed by a licensed engineer registered in the State of Alaska. Drawings and supporting calculations shall be submitted for review and approval. Truss design shall consider effects of spaced sheathing.

Exception:

Detached residential garages, storage sheds green houses and other non-habitable accessory structures. A shop building or warehouse does not qualify for the exception unless designed by an Engineer licensed by the State of Alaska. Truss design shall consider effects of spaced sheathing.

Section 2305.4. Framing connections. Create a new section and title to read as follows:

Framing connections. Framing connections shall be installed at each exterior bearing end of each truss or rafter and shall have a minimum lateral load capacity of not less than 400 pounds unless

otherwise substantiated by design calculations provided by an engineer licensed in the State of Alaska.

Table 2306.2. (1) Allowable Shear. Add the following sentence to footnote (c.)

Where necessitated by sheathing fastener spacing, two 2-inch nominal members fastened together in accordance with section 2301.1 to transfer design shear value between the framing members is permitted.

Table 2306.2. (2) Allowable Shear. Add the following sentence to footnote (e).

Where necessitated by sheathing fastener spacing, two 2-inch nominal members fastened together in accordance with section 2301.1 to transfer design shear value between the framing members is permitted.

Table 2306.3(1) Allowable Shear. Add the following sentence to footnote d.

Where necessitated by sheathing fastener spacing, two 2-inch nominal members fastened together in accordance with section 2301.1 to transfer design shear value between the framing members is permitted.

Table 2306.3(1) Allowable Shear. Delete the last sentence to footnote g and replace as follows:

Foundation anchor bolts shall have a steel plate washer under each nut not less than 2-1/2 x 2-1/2 x 3/16 inch. The plate washer shall extend to within 1/2 inch of the edge of the bottom plate on the sheathed side.

Section 2306.3 Amend this section by adding a last sentence of the paragraph to read as follows:

Shear walls sheathed with Portland cement plaster, gypsum lath, gypsum sheathing or gypsum board shall not be used to resist seismic forces in structures assigned to seismic design category D, E or F.

Section 2308.2.3 Limitations. Amend this section by revising item 3 to read as follows:

Ground snow loads shall not exceed 60 psf.

Section 2308.3.1. Foundation plates or sills. Amend this section by adding the following sentence to the end of the paragraph to read as follows:

A minimum washer of 2 1/2 inch by 2 1/2 inch by 3/16 inch is required for each sill plate bolted connection unless an alternate design is provided by a registered engineer licensed by the State of Alaska.

Section 2509.3 Limitations. Delete item 1 in its entirety.

Chapter 27 ELECTRICAL. Delete this chapter in its entirety and replace with the National Electric Code as adopted and amended by the City of North Pole.

Section 2901.1 Scope. Revise this section by deleting the reference to the International Plumbing Code and International Private Sewage Disposal Code.

Add the following note to the beginning of this paragraph:

Where reference to any Plumbing Code is made in this Code it shall be taken to mean the *Uniform Plumbing Code* as adopted and amended by the City of North Pole.

Table 2902.1 Minimum Number of Required Plumbing Fixtures. Delete the footnotes to the table and replace as follows:

Add footnotes (f) and (h) in the “*water closet*” column heading; add footnote (h) in the “*other*” column heading. Add footnote (g) at row 4 under the Factory and Industrial heading and under the Bathtubs and Showers column.

a. The fixtures shown are based on one fixture being the minimum required for the number of persons indicated or any fraction of the number of persons indicated. The number of occupants shall be determined by the *International Building Code*.

b. Toilet facilities for employees shall be separate from facilities for inmates or care recipients.

c. A single-occupant toilet room with one water closet and one lavatory serving not more than two adjacent patient rooms shall be permitted where such room is provided with direct access from each patient room and with provisions for privacy.

d. The occupant load for seasonal outdoor seating and entertainment areas shall be included when determining the minimum number of facilities required.

e. For business and mercantile occupancies with an occupant load of 15 or fewer, service sinks shall not be required.

f. In each bathroom or toilet room, urinals shall not be substituted for more than 67percent of the required water closets in assembly and educational occupancies. Urinals shall not be substituted for more than 50 percent of the required water closets in all other occupancies.

g. Emergency showers and eyewash stations shall conform to ISEA Z358.1.

h. Floor drains shall be installed in Toilet rooms containing two (2) or more water closets or a combination of at least one (1) water closet and one (1) urinal, except in a dwelling unit. Floor drains shall also be installed in commercial kitchens, laundry rooms in commercial buildings, and common laundry facilities in multi-family dwelling buildings.

Section 2902.5 Drinking fountains. Delete sections 2902.5 and 2902.6 and replace with the following.

2902.5. Drinking fountains. Drinking fountains shall be provided according to Table 2902.1 and this section.

2902.5.1 Location. Drinking fountains shall not be required to be located in individual tenant spaces provided that public drinking fountains are located within a travel distance of 500 feet from the most remote location in the tenant space and not more than one story above or below the tenant space. Where the tenant space is in a covered or open mall, such distance shall not exceed 300 feet. Drinking fountains shall be located on an accessible route.

2902.5.2 Prohibited location. Drinking fountains, water coolers, and water dispensers shall not be installed in public restrooms.

2902.5.3 Small occupancies. Drinking fountains shall not be required for an occupant load of 15 or fewer.

2902.5.4 Provide high and low drinking fountains. Where drinking fountains are required, not fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons.

Exception: A single drinking fountain with two separate spouts that complies with the requirements for people who use a wheelchair and standing persons shall be permitted to be substituted for two separate drinking fountains.

2902.5.5 Substitution. Where restaurants provide drinking water and container free of charge, drinking fountains shall not be required in those restaurants. In other occupancies, excluding A and E occupancies, water dispensers shall be permitted to be substituted for not more than 50 percent of the required drinking fountains. In B occupancies with fewer than 75 occupants, bottled water dispensers or sinks shall be permitted to be substituted for the required drinking fountains.

Section 3002.1 Hoistway Enclosure Protection. Add the following:

Elevator hoistway shaft enclosure walls not required to have a fire resistive rating may be constructed with glass. Such glass shall be laminated glass that passes the requirements of ANSI A17.1.

Chapter 15.20

RESIDENTIAL CODE

Sections:

15.20.010. Adoption.

15.20.020. Modifications.

15.20.030. Appeals.

15.20.040. Local amendments to the International Residential Code, 2009 2015 Edition.

15.20.010 Adoption.

The International Residential Code, 2009 2015 Edition, as published by the International Conference of Building Officials, and every part thereof, together with the local amendments as set forth in NPMC 15.20.040, shall constitute the laws of the City relating to the construction of one and two family housing. An electronic copy of the International Residential Code is retained at the City offices. (Ord. 12-08 § 2, 2012)

15.20.020 Modifications.

The Building Official shall have the power to modify any of the provisions of the International Residential Code adopted by this chapter upon application in writing by the owner or lessee or his duly authorized agent, when there are practical difficulties in the way of carrying out the strict letter of the code; provided, that the spirit of the code is observed, public safety secured, and substantial justice done. The particulars of the modification, when granted or allowed, and the decision of the Building Official thereon shall be entered upon the records of the Department, and a signed copy shall be furnished the applicant. (Ord. 12-08 § 2, 2012)

15.20.030 Appeals.

Whenever the Building Official disapproves an application or refuses to grant a permit applied for, or when it is claimed that the provisions of the code have been misconstrued or wrongly interpreted, the applicant may appeal from the decisions of the Building Official to the Mayor/City Manager within thirty days from the date of the decision. The appointment of the appeals board will be on a case-by-case basis with the members of said board comprised of local design professionals, contractors, inspectors or other members of the public deemed knowledgeable of the subject matter by the Mayor/City Manager. (Ord. 12-08 § 2, 2012)

15.20.040 Local amendments to the International Residential Code, 2009 2015 Edition.

The amendments to the International Residential Code, 2009 2015 Edition, as published by the International Conference of Building Officials, are hereby adopted by the City of North Pole as follows: Chapter 1 Scope and Administration.

Delete the following sections: R103 and R104.10.1, and refer to the City of North Pole Administrative Chapter 15.04.

Section R105.3.1.1 Determination of substantially improved or substantially damaged existing buildings in flood hazard areas. Delete this section in its entirety and refer to Title 15 Fairbanks North Star Borough Flood Plain Management Regulations.

Section R106.1.4 Information for construction in flood hazard areas. Delete this section in its entirety and refer to Title 15 Fairbanks North Star Borough Flood Plain Management Regulations.

Section R108 Fees. Delete this section in its entirety and replace with the City of North Pole Administrative Code.

Section R109 Inspections. Delete this section in its entirety and replace with:
See the City of North Pole Administrative Code, Chapter 15.04.

Chapter 2 Definitions

Amend section R202 Definitions by adding the following definition:

Duplex Dwelling Unit. Buildings which contain not more than two dwelling units. which are not otherwise distinguished or separated by a recorded lot line.

Amend Section R202 Definitions Townhouse by the deleting the definition and replace as follows:

Townhouse. A single-family dwelling unit constructed in a group of two or more attached units in which each unit extends from foundation to roof and with a yard or public way on at least two sides. Each townhouse shall be considered a separate building as recognized by a recorded lot line between such units. Each townhouse unit shall be provided with separate water, sewer, heating, fuel gas and electrical services.

Table R301.2(1) Climatic and Geographic Design Criteria. Amend this table to read as follows:

Table R301.2 Climatic and Geographic Design Criteria:

• Roof Snow load:	50 psf
• Wind speed:	90 mph
• Seismic Design Category:	D1
• Weathering:	Severe
• Frost line depth:	42 inch below finished grade
• Termite:	None to slight
• Decay:	None to slight
• Winter Design Temp.	- 47°
• Flood Hazards:	Refer to FNSB Title 15

Section R301.2.2.1.1 Alternate determination of seismic design category.

Add the following sentence to the end of the paragraph to read as follows:

The seismic design category for the City of North Pole shall be D1.

Section R301.2.4 Floodplain Construction. Delete this section in its entirety.

Table R301.5 Minimum Uniformly Distributed Live Loads. Amend this table by deleting the live load value of 30 psf live load for sleeping rooms and replace with 40 psf.

[Section R302.2 Townhouses. Delete this section in its entirety and replace with the following.

Each townhouse shall be considered a separate building and shall be separated by fire-resistive wall assemblies meeting the requirements of section R302.1 for exterior walls. Each townhouse shall be protected from the adjacent dwelling unit by construction of independent one hour fire resistive exterior walls. The wall shall be rated for fire exposure on both sides. Plumbing, mechanical equipment, ducts or vents may be installed within independent one hour fire – resistive walls provided the openings are fire stopped as required by section 302.4. Electrical installations shall be installed in accordance with the National Electrical Code and shall be in accordance with section R302.4.

Exception 1.

A common 2- hour fire resistive rated wall is permitted provided such walls do not contain plumbing, mechanical equipment, ducts, or vents in the cavity of the common wall.

Exception 2.

A common 1- hour fire resistive rated wall is permitted provided such walls do not contain plumbing, mechanical equipment, ducts or vents in the cavity wall of the common wall and the townhouses are protected with an approved sprinkler system throughout.

Section R302.2.4 Structural Independence. Delete exception #5 of this section and replace as follows:

5. Townhouses separated by a common 2- hour fire- resistive wall as provided in section R302.2 as amended.

Section R302.3 Two – family dwellings. Revise the last sentence of exception #2 to read as follows:

The structural framing supporting the ceiling shall be protected by not less than 5/8 inch thick type X gypsum board or equivalent.

Section R302.5.1 Opening protection. Add the following sentence to this section:

Doors between the garage and residence shall be self-closing and latching. Doors shall be equipped with tight fitting smoke gasket seals installed along the top and sides of doors. A tight fitting threshold seal shall also be installed.

Table R302.6 Dwelling/Garage Separation. Amend this table as follows:

Revise all references in the table to ½ inch gypsum board and replace with 5/8 inch thick type X gypsum board.

Revise line two of the Material column to read as follows:

Not less than one layer 5/8 inch Type X gypsum board for nominal dimensional lumber or two layers of gypsum board as required by ICC report ESR 1336 or as required by other proprietary research reports for specific engineered I Joists which achieve a one hour rated assembly.

Section R303.1 Habitable Rooms (Light and Ventilation). Replace this section and the exceptions with the following:

All habitable rooms shall be provided with natural light by means of exterior glazed openings with an area of not less than 5 percent of the floor area of such rooms with a minimum area of 5 square feet, except that minimum egress requirements shall govern. Natural ventilation shall be provided by openings to the exterior of not less than 4 percent of the floor area of habitable rooms. Such openings shall be openable and readily controllable by the building occupants. In lieu of required exterior openings for natural ventilation, a mechanical ventilating system may be provided. Such system shall be capable of providing air changes in accordance with the 2015 IECC as adopted and amended.

Section R303.3 Bathrooms. Delete this section in its entirety, rename and replace with the following:

Section R303.3 Bathrooms and Kitchens. Bathrooms, water closet compartments and similar rooms shall have a mechanical ventilating system connected directly to the outside capable of providing five air changes per hour. Moisture exhaust ducts shall be smooth and rigid. All moisture exhaust ducts located in an unconditioned space shall be insulated with a minimum R-11 and installed so as not to create low points where condensation may collect. All exhaust ducts shall be equipped with a back-draft damper.

Kitchens shall have mechanical exhaust ventilation provided directly above or immediately adjacent to the primary cooking appliance. All vents shall be connected directly to the exterior. A total exhaust ventilation rate for the structure shall be a minimum of 80 cfm per 1000 square feet of habitable floor space. All exhaust ducts shall be equipped with a back draft damper.

Structures of unusually tight construction containing fuel-burning appliances, including fireplaces and mechanically exhausted range-top cooking appliances shall be provided with supplemental supply air in accordance with the Mechanical Code. A draft activated damper allowing air to flow into the structure when depressurization exceeds 10 pascals may be installed within a supply air duct.

Section R309.3 Flood hazard areas. Delete this section and refer to Title 15 Fairbanks North Star Borough Flood Management Regulations

Section R310.2.1 Minimum opening area. Delete the exception.

Section R313 Automatic Fire Sprinkler Systems. Delete this section in its entirety.

Section R315.1 Interconnection. Add new subsection to read as follows:

In new construction, carbon monoxide detectors shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual dwelling unit.

Section R318 Protection against subterranean termites. Delete this section in its entirety.

Section R322.Flood – Resistant Construction. Delete this section in its entirety and refer to Title 15 Fairbanks North Star Borough Flood Plain Management Regulations

Section R323 Storm Shelters. Delete this section in its entirety.

Section R327 Moisture Vapor Retarders. Create a new section and title to read as follows:

Section R327.1 Moisture control.

The building design shall not create conditions of accelerated deterioration from moisture condensation. All exterior wall, ceiling, roof and floor assemblies which enclose heated spaces and which are exposed to outdoor ambient temperatures shall be protected against water vapor transmission. Assemblies not otherwise of impermeable construction shall have installed, on the heated side of the insulation or air spaces, vapor retarders having a perm rating of 0.06 minimum (equivalent to 6 mils polyethylene sheeting) or other material approved by the Building Official. All seams shall be lapped a minimum of one stud or joist bay or sealed with an approved tape or sealant. All voids between joists and studs shall be insulated and sealed in an approved manner.

Exceptions:

1. In construction where moisture or its freezing will not damage materials.
2. A maximum of one-third of the total installed insulation may be installed on the warm side of approved vapor retarders.

Section R327.2 Crawl space moisture protection. Create a new sub section and title to read as follows:

Crawl space moisture protection.

Exposed earth in crawl space foundations shall be covered with a continuous vapor retarder. All joints of the vapor retarder shall be overlapped by 6 inches or shall be sealed or taped in approved manner. The edges of the vapor retarder shall either extend over the concrete footing and secured in approved manner.

Section R401.3 Drainage. Delete the section and the exception and replace with the following:

Surface drainage shall be diverted to a storm sewer conveyance or other approved point of collection so as to not create a hazard. Lots shall be graded to drain surface water away from foundation walls. The grade shall be sloped a minimum of 2% within the first 10 feet. It shall be the responsibility of the owner or contractor to assure that discharge of roof and surface runoff is disposed of without affecting the adjacent property. Surface drainage across lot lines is prohibited.

Section R403.1 General. Delete the reference to “wood foundations” in the first sentence and add the following sentence to the end of the section to read as follows:

Wood footings shall be designed and stamped by a registered engineer licensed in the State of Alaska.

Section R 403.1.1 Minimum size. Delete this section in its entirety and replace as follows:

The footing width shall be based on the load-bearing value of the soil in accordance with Table R401.4.1. All footing and foundation systems shall comply with standard foundation details (**SFD1-SFD9**). In no case shall the minimum size for concrete and masonry footings be less than 1 foot-4 inch. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with table R401.4.1.

Table R403.1 Minimum width of concrete or masonry footings. Delete the table in its entirety and reference standard foundation details (**SFD1-SFD9**).

Section R403.1.2 Continuous footing in Seismic Design Categories D₀, D₁, and D₂. Delete this section in its entirety and replace as follows:

Seismic reinforcing shall be provided in accordance with standard foundation details SFD1 though **SFD9** unless reinforcing is specifically designed by a registered engineer licensed by the State of Alaska. Bottom reinforcement shall be located a minimum of 3 inches clear from the bottom of the footing.

Section R403.1.3 Footing and Stem wall reinforcing in Seismic Design Categories D₀, D₁, and D₂. Delete this section in its entirety and replace as follows:

Foundations with stem walls shall have installed a minimum of two #4 bars within 6 inches of the top of the wall and one #4 bar located 3 inches to 4 inches above the top of the footing unless otherwise noted on SFD. All reinforcing steel shall comply with standard foundation details SFD1, 2, 4, 5, 7, 8 unless specifically designed and stamped by a registered engineer licensed by the State of Alaska.

Section R403.1.3.3 Slabs-on- ground with turned-down footings. Delete this section and the exception in its entirety and replace as follows:

Slabs-on- ground with turned-down footings shall be **designed in accordance with standard foundation detail SFD9** or stamped by a registered engineer licensed by the State of Alaska.

Insulation for such slabs and footings shall be in accordance with section 403.3, figure 403.3(1) and table R403.3(1).

Section R403.1.4 Minimum depth. Delete this section in its entirety and replace as follows:

All exterior footings shall be placed at least 42 inches below finished grade unless the foundation system is designed by a registered engineer licensed by the State of Alaska. Where applicable the depth of footings shall also conform to sections R403.1.4.1 through R403.1.4.2.

Exception:

1. Non habitable detached single story accessory structures less than 480 square feet.

Section R403.1.4.1 Frost protection. Amend this section by deleting the exceptions and replace as follows:

Exceptions:

1. Protection of non-habitable freestanding accessory single story structures with an area of 480 square feet or less shall not be required.
2. Decks not covered with a roof and decks which are not more than 30 inches above grade at any point need not be provided with footings that extend below the frost line.

Section R403.2 Footings for wood foundations. Delete this section in its entirety including references to figures R403.1(2) and R403.1(3) and replace as follows:

Wood foundations shall comply with standard foundation details SFD3 and SFD6 or the wood foundation system shall be specifically designed and stamped by a registered engineer licensed by the State of Alaska.

Section R403.3 Frost protected shallow foundations. Delete the first sentence and replace with the following:

Frost protected shallow foundations shall be **designed in accordance with standard foundation detail SFD9** or stamped by a registered engineer licensed in the State of Alaska. The design must be in constructed in accordance with Sections R403.3.1 thru R403.3.3, including Figures R403.3(1), R403.3(3) or R403.3(4) and Table R403.3 (1).

Section R403.3.3 Drainage. Delete this section in its entirety and replace with the following:

Final site drainage shall be in accordance with Section R401.3

Section R403.3.4 Termite damage. Delete this section in its entirety.

Section R403.4.1 Crushed stone footings. Delete this section in its entirety.

Table R403.4 Minimum Depth of Crushed Stone footings. Delete this table in its entirety.

Section R404.1.2 Masonry foundation walls. Delete this section in its entirety and all references to tables R404.1.1(1), R404.1.1(2), R404.1.1(3), R404.1.1(4) and replace as follows:

The minimum design for masonry foundation walls shall comply with The City of North Pole Standard Foundation Details (SFD) #1, #4 or #7 unless an alternate foundation design has been prepared and stamped by a registered engineer licensed by the State of Alaska.

Section R404.1.3 Concrete foundation walls. Add the following sentence to the end of the paragraph.

The minimum design for concrete foundation walls shall comply with The City of North Pole Standard Foundation Details (SFD) #2, #5 or #8 unless an alternate foundation design has been prepared and stamped by a registered engineer licensed by the State of Alaska.

Table R404.1.2(1). Delete the table in its entirety and replace as follows:

Two horizontal #4 bars are required to be installed within the top 6 inches of the wall and one #4 bar shall be provided near mid-height of the wall story where the maximum unsupported height of the basement wall is greater than 4 feet and less than or equal to 8 feet. When the maximum unsupported height of the basement wall is greater than 8 feet the required reinforcing shall be installed in accordance with a design provided by a registered engineer licensed by the State of Alaska.

Section R404.1.3.2 Reinforcement for foundation walls. Delete this section in its entirety and replace as follows:

Concrete foundation walls shall be laterally supported at the top and bottom. Horizontal reinforcement shall be provided in accordance with table R404.1.2(1) as amended. Vertical reinforcement shall be provided in accordance with Standard foundation Details SFD1, 2, 4, 5, 7, 8. In buildings assigned to Seismic Design Category D1 or concrete foundation walls shall also comply with Section R404.1.4.2.

Table R404.1.2 (2). Delete this table in its entirety and replace as follows:

Minimum vertical reinforcement shall be installed in accordance with Standard foundation Details SFD 1, 2, 4, 5, 7, 8 or shall be installed in accordance with a design provided by a registered engineer licensed by the State of Alaska.

Table R404.1.2 (3). Delete this table in its entirety and replace as follows:

Minimum vertical reinforcement shall be installed in accordance with Standard foundation Details SFD 1, 2, 4, 5, 7, 8 or shall be installed in accordance with a design provided by a registered engineer licensed by the State of Alaska.

Table R404.1.2 (4).Delete this table in its entirety and replace as follows:

Minimum vertical reinforcement shall be installed in accordance with Standard foundation Details SFD 1, 2, 4, 5, 7, 8 or shall be installed in accordance with a design provided by a registered engineer licensed by the State of Alaska.

Table R404.1.2 (5). Delete this table in its entirety and replace as follows:

Vertical wall reinforcement shall be installed in accordance with the manufactures installation instructions or a design provided by a registered engineer licensed by the State of Alaska.

Table R404.1.2 (6). Delete this table in its entirety and replace as follows:

Minimum vertical reinforcement shall be installed in accordance with the manufactures installation instructions or shall be installed in accordance with a design provided by a registered engineer licensed by the State of Alaska.

Table R404.1.2 (7). Delete this table in its entirety

Table R404.1.2 (8). Delete this table in its entirety and replace as follows:

Minimum vertical reinforcement shall be installed in accordance with Standard foundation Details SFD 1, 2, 4, 5, 7 and 8 or shall be installed in accordance with a design provided by a registered engineer licensed by the State of Alaska.

Section R404.1.4.1 Masonry foundation walls. Delete this section in its entirety and replaces as follows:

Foundation walls in buildings assigned to seismic Design Category D1 as established in Table R301.2(1), supporting more than 4 feet of unbalanced backfill or exceeding 8 feet in height shall be constructed in accordance with SFD 1, 2, 4, 5, 7 and 8 or a design shall be provided by a registered engineer licensed by the State of Alaska. Masonry foundation walls shall have two horizontal #4 bars located in the upper 6 inches of the wall.

Section R404.1.4.2 Concrete foundation walls. Delete this section in its entirety and replace as follows:

In buildings assigned to Seismic Design Category D1 as established in table R301.2(1), concrete foundation walls that support light –frame walls shall comply with this section and concrete foundation walls that support above-grade concrete walls shall comply with ACI 318, ACI 332 or PCA 100 (see section R404.1.2).In addition to the horizontal reinforcement by table R404.1.2(1) as amended concrete foundation walls shall comply with standard foundation details SFD1, 2, 4, 5, 7 and 8.

Section R404.2 Wood foundations. Delete this section in its entirety and replace as follows:

Wood foundation walls shall be constructed in accordance with the provisions of sections R404.2.1 through R404.2.6 and standard foundation details SFD 3 and 6 as adopted by the City of North Pole. An alternate design may be submitted for review and approval if the design is prepared and stamped by a registered engineer licensed by the State of Alaska.

Section R404.2.5 Drainage and Dampproofing. Delete this section in its entirety and replace as follows:

Wood foundation basements shall be drained and dampproofed in accordance with Standard Foundation Details SFD3 and SFD6.

Section R405.1 Concrete or masonry foundations. Delete this section in its entirety and replace as follows:

Concrete and masonry foundations shall be installed in compliance with Standard foundation details SFD1, 2, 4, 5, 7, 8. A drainage system is not required when the foundation is installed on well-drained ground or sand gravel mixture soils according to the Unified Soil Classification System, Group I soil, as detailed in Table R405.1.

Section R405.2 Wood foundations. Delete this section in its entirety and replace as follows:

Wood foundations shall comply with Standard foundation details SFD 3 and 6.

Section R405.2.1 Base. Delete this section in its entirety.

Section R405.2.3 Drainage system. Delete this section in its entirety.

Section R406.1 Concrete and Masonry Foundation Dampproofing. Amend this section by revising the first sentence to read as follows:

Except where required by section R406.2 to be water proofed, foundation walls that retain earth and enclose interior spaces and floors below grade shall be dampproofed from the top of the footing to 6 inches above finished grade.

Section R406.1. Amend this section by adding exception #2 to read as follows:

2. Crawl space foundation walls or walls backfilled on both sides, such as those used in conjunction with a “slab on grade”, do not require damp-proofing.

Section R406.3 Dampproofing for wood foundations. Amend this section by adding the following sentence to the end of the paragraph.

Foundation foundations shall comply with Standard foundation details SFD 3 and 6.

Section R406.3.2 Below-grade moisture barrier. Delete the first sentence and replace with the following:

A double layer of 6-mil polyethylene film shall be applied over the below-grade portion of the exterior foundation walls prior to backfilling. A single layer of self-adhering polymer modified bitumen sheet material may be used in lieu of the polyethylene film.

Section R406.3.2 Below- grade moisture barrier. Delete the last sentence of the paragraph and replace with the following:

The moisture barrier shall overlap onto the footing.

Section R408.1 Ventilation. Delete this section in its entirety and replace with the following:

Each under-floor space shall be ventilated by an approved mechanical means or by openings in exterior foundation walls. Such openings shall have a net area of not less than 0.1 square foot for each 150 square feet of under-floor area. There shall be two openings located as close to corners as practical on opposite sides to provide cross ventilation. The openings shall be covered with corrosion resistant wire mesh approximately 1/4 inch in size. All structures with a crawl space shall have a minimum 6 mil ground vapor retarder to prevent the flow of water vapor from soils into the heated building interior.

Section R502.1.1 Sawn Lumber. Add the following exception:

Exception: Rough sawn, ungraded, dimensional lumber may be used for framing materials in floors, walls and roofs of detached garages, utility buildings and other unheated accessory building and other applications where approved by the Building Official.

Section R601.3 Vapor retarders. Add new section

Continuous vapor retarders are required to be installed on the exterior envelope. The vapor retarder shall be installed such that not less than 2/3 of the total wall R-value is placed on the cold side of the vapor retarder.

Exception: Construction where moisture or its freezing will not damage the materials.

Section R602.11.1 Wall anchorage. In the second sentence, replace “3 inch by 3 inch” with the following:

2 inch by 2 inch.

Section R703.2 Water-resistive barrier. Delete this section in its entirety.

Section R802.10.2 Design. Add the following sentence to end of paragraph:

A 15% load duration increase shall not be utilized for wood trusses where the live load considered is snow.

Section 806.2 Minimum area. Amend this section by deleting the exception and replace as follows:

As an alternative, the net free cross-ventilation area may be reduced to 1/300 when a class I vapor barrier is installed on the warm-in-winter side of the ceiling.

Section 806.5 Unvented attic assemblies. Delete this section in its entirety.

Section R807.1 Attic access. Add the following sentence to the end of the 2nd paragraph:

Attic access shall not be located in a room containing bathing facilities. Access may be located in closets with minimum depth of 23 inches and minimum width of 48 inches.

Exception:

Attic access may be provided from the exterior gable vent in accordance with size and opening requirements of this section. The gable vent must be readily accessible.

Section R903.1 General. Add the following sentence to the end of section:

1. All valleys shall have a modified bitumen ice barrier lapped eighteen inches minimum each side of valley centerline. No penetrations shall be located in required valley ice barrier.

Section R903.4 Roof drainage. Add the following sentence to the end of the paragraph:

Roof drainage shall be diverted to a storm sewer conveyance or other approved point of collection so as to not create a hazard. Lots shall be graded to drain surface water away from foundation walls. The grade shall be sloped a minimum of 2% within the first 10 feet. It shall be the responsibility of the owner or contractor to assure that discharge of roof and surface runoff is disposed of without affecting the adjacent property. Water drainage which migrates across property lines is strictly prohibited.

Section R905.2.2 Slope. Delete the section and replace with the following:

Asphalt shingles shall be used only on roof slopes of two units vertical in 12 units horizontal or greater. Required underlayment shall be provided as follows: A roof slope of 2:12 shall be provided with an approved self-adhering polymer modified bitumen on the entire roof surface. A roof slope of 3:12 shall be provided with double underlayment in accordance with section R905.2.7. Roof slopes of 4:12 or greater shall be provided with a single layer of underlayment in accordance with section R905.2.7.

Section R905.2.5 Fasteners. Add an exception to read as follows:

Staples may be substituted for nails on new work only. They must be galvanized or stainless steel with a 1 inch crown and of sufficient length to completely penetrate the shingle and the roof sheathing. Staples must be straight and flush with the shingle surface.

Table 905.1.1(2) Underlayment Application. Amend the Asphalt shingles section by deleting the first sentence up to the “:” and replace as follows:

A roof slope of 2:12 shall be provided with an approved self-adhering polymer modified bitumen on the entire roof surface. A roof slope of 3:12 shall be provided with double underlayment in the following manner.

Section R905.1.2 Ice Barriers. Delete this section in its entirety and replace with the following:

Where a non-energy heel truss design is utilized, an approved self-adhering polymer modified bitumen sheet shall be installed on the roof deck extending from the eave up the roof to 36 inches inside the exterior wall line of the building.

Exception: Detached accessory structures that contain no conditioned floor area.

Section R905.14 Sprayed polyurethane foam roofing. Delete this section in its entirety.

Chapter 11 Energy Efficiency. Delete this chapter in its entirety and reference the International Energy Conservation Code as currently adopted and amended.

MECHANICAL

Chapters 12-23. Delete these chapters and reference the Mechanical Code as currently adopted and amended by the City of North Pole.

FUEL GAS

Chapter 24. Delete this chapter and reference the Fuel Gas Code as currently adopted and amended by the City of North Pole.

PLUMBING

Chapters 25-31. Delete these chapters and reference the Plumbing Code as currently adopted and amended by the City of North Pole.

APPENDICES

Appendix K Sound Transmission. Adopt Appendix K Sound Transmission and revise section AK 102 AIR-BORNE Sound and section AK 103 Structural-Borne Sound to read as follows:

Section AK 102 AIRBORNE SOUND

Air-borne sound insulation for a wall and floor- ceiling assemblies shall meet a Sound Transmission Class (STC) rating of 50 when tested in accordance with ASTM E90. Penetrations or openings in construction assemblies for piping; electrical devices, recessed cabinets, bathtubs soffits or heating ventilating or exhaust ducts shall be sealed, lined, insulated or otherwise treated to maintain the required ratings. Dwelling unit entrance doors, which share a common space shall be tight fitting to the frame and sill and shall be provided with gasket seals at the top and sides of such doors.

Section AK 103 Structural-Borne Sound

Floor/ceiling assemblies between a dwelling unit and public space or service area within the structure shall have an impact insulation class (IIC) rating of not less than 50 when tested in accordance with ASTM E 492.

Chapter 15.28

MECHANICAL CODE

Sections:

15.28.010. Adoption.

15.28.020. Modifications.

15.28.030. Appeals.

15.28.040. Local amendments to the International Mechanical Code, 2009 2015 Edition.

15.28.010 Adoption.

The code known as the International Mechanical Code, 2009 2015 Edition, as published by the International Conference of Building Officials, together with the local amendments as set forth in NPMC 15.28.040, shall constitute the laws of the City relating to building regulations. Where the International Mechanical Code conflicts with this code, this code shall prevail. An electronic copy of the International Mechanical Code is retained at the City offices. (Ord. 12-09 § 2, 2012)

15.28.020 Modifications.

The Building Official shall have the power to modify any of the provisions of the International Mechanical Code adopted by this chapter upon application in writing by the owner or lessee or his duly authorized agent, when there are practical difficulties in the way of carrying out the strict letter of the code; provided, that the spirit of the code is observed, public safety secured, and substantial justice done. The particulars of the modification, when granted or allowed, and the decision of the Building Official thereon shall be entered upon the records of the Department, and a signed copy shall be furnished the applicant. (Ord. 12-09 § 2, 2012)

15.28.030 Appeals.

Whenever the Building Official disapproves an application or refuses to grant a permit applied for, or when it is claimed that the provisions of the code have been misconstrued or wrongly interpreted, the applicant may appeal from the decisions of the Building Official to the Mayor/City Manager within thirty days from the date of the decision. The appointment of the appeals board will be on a case-by-case basis with the members of said board comprised of local design professionals, contractors, inspectors or other members of the public deemed knowledgeable of the subject matter by the Mayor/City Manager. (Ord. 12-09 § 2, 2012)

15.28.040 Local amendments to the International Mechanical Code, 2009 2015 Edition.

The amendments to the International Mechanical Code, 2009 2015 Edition, as published by the International Conference of Building Officials, are hereby adopted by the City of North Pole as follows:

Section 101.2.1 Appendices. Add the following to this section.

Appendix A as amended by the combustion air provisions of chapter 7 is hereby adopted.

Except for sections 101, 102, and the following amendments, delete Chapter 1 in its entirety and refer to the City of North Pole Administrative Code, Chapter 15.04.

Section 102.8 Referenced codes and standards. Revise and add four subsections at the end of this section as follows:

102.8.3 Plumbing. Where reference to any Plumbing Code is made in this Code it shall be taken to mean the *Uniform Plumbing Code* as adopted and amended by the City of North Pole.

102.8.4 Electrical. Where reference to any Electrical Code is made in this Code it shall be taken to mean the *National Electrical Code* as adopted and amended by the City of North Pole.

102.8.5 Administrative. The provisions of the City of North Pole Administrative Code, Chapter 15.04 shall apply to the administration and enforcement of this code. Where provisions of the City of North Pole Administrative Code and this code conflict, the more restrictive text shall apply.

102.8.6 Energy. Where reference is made in this Code to the *International Energy Conservation Code* it shall be taken to mean the *IECC* as currently adopted by the City of North Pole.

Section 201.3 Terms defined in other codes. Revise this section as follows.

Where terms are not defined in this code and are defined in the *International Building Code*, *National Electrical Code*, *International Fire Code*, *International Fuel Gas Code*, or *Uniform Plumbing Code*, such terms shall have meanings ascribed to them in those codes.

Section 201.4 Terms not defined. Amend this section by adding the following sentence.

Webster's Third New International Dictionary of the English Language, Unabridged shall be considered as providing ordinarily accepted meanings.

Section 301.2. Energy utilization. Delete this section in its entirety.

Section 301.7 Electrical. Add the following sentence to the end of this subsection.

When an existing fuel-fired appliance is not equipped with the required manual disconnect and the appliance is replaced, an approved manual disconnect within clear view of the appliance shall be installed.

Section 301.19 Carbon Monoxide Alarm. Add this section numbering, title, and the following after section.301.18.

Where a fuel-fired appliance is installed or replaced in an existing dwelling an approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms. A single station, battery-operated carbon monoxide alarm shall be listed as complying with UL 2034 and shall be installed according to the manufacturer's installation instructions.

Section 302.1.1 Pipe and Tubing embedded in concrete. Add this subsection with the following text.

Pipe and tubing embedded in concrete slabs or footings, including sleeves, shall not be placed at a depth below the top surface of the concrete of less than 1 ½ - inch for concrete exposed to earth or weather or ¾-inch for concrete not exposed to earth or weather. They shall not be spaced closer than 3 diameters or widths from structural steel elements

Section 302.6 Penetration Weatherproofing. Add this section and the following after section 302.5.3.

Joints at roofs and exterior walls around pipes, ducts, appurtenances or equipment shall be made watertight by the use of approved materials.

Section 303.4. Protection from damage. Add the following at the end of Section 303.4.

Fuel-fired equipment and appliances located within the direct perpendicular path of a garage door opening of eight foot or less in height shall comply with Section 303.4.1

303.4.1. Fuel-fired appliance protection. Fuel fired appliances and equipment located in the direct path of vehicles as described in 303.4 shall be protected from impact with one of the following methods.

1. A minimum schedule 40 nominal 3 inch diameter steel pipe 30 inch high, with a vertical face of the pipe at least 6 inch in the direction of vehicle approach and:
 - 1.1 Buried a minimum 2 foot 0 inch deep in compacted soil and imbedded in at least 4 inch nominal concrete slab, or
 - 1.2 Set in a minimum 1 foot 0 inch x 1 foot 0 inch x 1 foot 0 inch block of concrete (slab included).
2. A platform on which the equipment sits, at least 24 inch high, extended at least 6 inch greater than the equipment footprint (including attachments such as burners and controls) in the direction of vehicle approach and in contact with the structure opposite the direction of vehicle approach.
- 3.
4. An approved system of equivalent resistance to vehicle impact extending at least 6 inch ahead of the equipment's footprint in the direction of vehicle approach, including attachments such as burners and controls.

Section 303.8 Elevator Shafts. Delete this section in its entirety and replace as follows:

Mechanical systems shall not be located in an elevator shaft except mechanical equipment and devices exclusively serving the elevator. Discharge piping from any sump pump shall exit the hoist way as low as practicable. Sump pumps shall be sized per the Uniform Plumbing Code as amended.

Section 304.1.1 Fuel-fired equipment startup report. Add this subsection as follows:

A startup report is required for all fan-assisted or power-burner fuel-fired equipment indicating the following conditions and others which the manufacturer recommends in their installation instructions.

A non-returnable copy must be provided to the inspector for insertion in the Building Department project files.

- Company, Name, address, and Phone Number of Startup Technician
- Manufacturer and Model No. of Equipment
- Date and Time of Startup and Noted Readings
- Net Stack Temperature
- Over fire Draft
- Breech Draft
- Stack Draft
- CO or Smoke
- CO₂ or O₂
- Actual Rate of fuel input

Section 312.1 Load calculations. Delete the last sentence of this section and substitute the following.

Alternatively, design loads shall be determined by an approved equivalent computation procedure.

Section 401.4 Intake Openings. Add the following exception.

Exception:

Passive Outdoor Air intake openings, including opening doors and windows, shall not be located closer than 3 feet horizontally to any gas pressure regulator vent opening, unless such vent opening is located at least 3 feet above the air intake opening.

Section 401.5 Intake opening protection. Add an exception at the end of this section as follows:

Exception: HRV weather hoods as provided by the respective unit's manufacturer may be used for its Intake and Exhaust Air openings.

TABLE 401.5 OPENING SIZES IN LOUVERS, GRILLES AND SCREENS PROTECTING OUTDOOR EXHAUST AND AIR INTAKE OPENINGS

Delete Table 401.5 and replace with the following.

OUTDOOR OPENING TYPE	MINIMUM AND MAXIMUM OPENING SIZES IN LOUVERS, GRILLES AND SCREENS MEASURED IN ANY DIRECTION
Exhaust and Intake openings in residential occupancies	½ inch
Intake openings in other than residential occupancies	Not < ½ inch and not > 1 inch

Section 403.3.1.1 Outdoor airflow rate. Amend this section by revising the first sentence to read as follows.

Ventilation systems shall be designed to have the capacity to supply the minimum outdoor airflow rate determined in accordance with Table 403.3.1.1 based on the occupancy of the spaces and the occupant load or in accordance with the latest edition of ASHRAE Standard 62

Section.501.3 Exhaust discharge. Delete the exceptions to this section.

Section 502.21. Manicure and Pedicure Stations. Add this section.

The permit holder shall verify capture and containment performance of the exhaust system. This field test shall be conducted with all sources of outdoor air providing makeup air operating and with all sources of recirculated air operating which provide conditioning for the space in which the capture and containment is required. Capture and containment shall be verified visually by observing smoke simulating contaminant emission.

Section 505.1 Domestic systems. Delete the first paragraph of this section and substitute the following.

Built-in Cook-top or Range-top domestic cooking appliances located within dwelling units and within areas where domestic cooking appliance operations occur shall be listed and labeled as household-type appliances for domestic use. A ventilating hood above, or an approved downdraft exhaust, shall be provided for a cook-top or range-top domestic cooking appliance, and shall discharge to the outdoors through a single-wall duct. The duct shall be sheet metal, of galvanized steel, stainless steel, aluminum or copper, airtight, and equipped with a backdraft damper. A microwave or cooking appliance that exhausts to the outdoors according to this section, is listed and labeled for installation over a cooking appliance, and conforms to the terms of the upper appliance's listing and label, shall be approved.

Delete exception #1.

Section 506.3.11. Grease duct enclosure. Add the following sentence at the end of this section's paragraph.

Duct enclosures penetrating wall assemblies shall have a fire-resistance rating of not less than that required for the wall assembly, but not less than 1-hour nor more than 2-hour.

506.3.11.1 Shaft enclosure. Delete and replace the second sentence of this subsection with the following.

Such grease duct systems and exhaust equipment shall have a clearance to combustible construction of not less than 18 inches, and shall have a clearance to noncombustible construction and gypsum wallboard attached to noncombustible structures of not less than 3 inches.

Section 507.1 General. Amend this section by adding the following sentence.

Design documents for commercial hoods, commercial ventilation and makeup air systems shall be designed by and bear the stamp of a professional mechanical engineer currently registered in the State of Alaska.

Section 508.1 Makeup air. Amend this section by adding the following sentence.

Design documents for commercial hoods, commercial ventilation and makeup air systems shall be designed by and bear the stamp of a professional mechanical engineer currently registered in the State of Alaska.

Section 601.4 Contamination prevention. Amend this section numbering the published Exception as noted and adding Exception 3 as follows.

Exception 1.Exhaust systems...

Exception 3.Environmental air exhaust ducts under positive pressure may extend into or through ducts or plenums if one of the following design approaches is used.

1. Route environmental air exhaust ducts inside a shaft when passing through a duct or plenum. Install a second duct around the environmental air exhaust duct where passing through ducts and plenums to minimize leakage to the duct plenums. Seal both ends of the outer duct to the outside.
2. Install a second duct around the environmental air exhaust duct where passing through ducts and plenums to minimize leakage to the duct or plenum. Seal both ends of the outer duct to outside.
3. Seal the environmental air exhaust ducts along all seams and joints using a listed low to medium pressure duct sealant which is typically applied by brush, trowel or caulking gun.
4. Provide flexible duct with no seams in the duct or plenum. The maximum length of the flexible duct is limited to 8 feet due to high static loss. A metal duct may be sleeved by the flexible seamless duct.

Section 602.1 General. Revise this section as follows.

Supply, return, exhaust, relief and ventilation air plenums shall be limited to areas above a ceiling or below the floor, attic spaces and mechanical equipment rooms. Plenums shall be limited to one fire area. Fuel-fired appliances shall not be installed within a plenum.

Exception: Underfloor crawlspaces shall not be used as plenums.

Section 604.1 General. Revise this section as follows.

Duct insulation shall conform to the requirements of sections 604.2 through 604.13.and the *International Energy Conservation Code*. All supply, return, and exhaust ducts and plenums shall be

insulated with a minimum of R-11 insulation when located outside the building envelope. When located within a building envelope assembly, the duct or plenum shall be separated from the building exterior or unconditioned space or exempt spaces by a minimum of R-11 insulation.

Exceptions:

1. When located within equipment.
2. When the design temperature difference between the interior and exterior of the duct or plenum does not exceed 15 degrees F (8 degrees C).
3. When located within the under floor crawlspace of a one or two family dwelling unit.

Section 607.4. Access and identification. Add the following between the 1st and 2nd sentences of this Section.

Access doors for fire dampers and smoke dampers shall be located as close as practicable to the dampers and also sized so fire damper spring catch and fusible links are accessible with two hands when the damper is closed. Duct access doors shall be a minimum size of 18 inches x 16 inches where the size of the duct permits, and a minimum size of 24 inches and 16 inches where entry of an individual is needed for the required minimum access.

CHAPTER 7.COMBUSTION AIR.

Section 701.1 Scope. Delete this section in its entirety and substitute the following.

The provisions of this chapter shall govern the requirements for combustion and dilution air for fuel-burning appliances other than gas-fired appliances. Solid fuel-burning appliances shall be provided with combustion air in accordance with the appliance manufacturers' instructions. Oil-fired appliances shall be provided with combustion air in accordance with this chapter and, where not modified by this chapter, with Chapter 5 of NFPA 31. The methods of providing combustion air in this chapter do not apply to fireplaces and fireplace stoves.

Add the following after Section 701.1

701.1.2. Combustion and dilution air required. Every room or space containing fuel-burning appliances shall be provided with combustion air, including both air for complete fuel combustion and draft dilution, as required by this code. An approved engineered system may be used to provide combustion air as an alternative to the requirements of this chapter. An approved method shall be utilized to control the temperature of the room or space containing fuel-burning appliances. The room or space shall be maintained between 40 degrees F and 120 degrees F. The requirements for Combustion Air in this chapter do not include what might be needed for maintaining the ambient temperature of the room or space containing the fuel-burning equipment. Exhaust fans that create a negative draft in the room or space, or other fans that might create conditions of unsatisfactory

combustion or venting, are not permitted unless electrically interlocked with the fuel-burning appliances to prevent simultaneous operation.

701.1.3. Prohibited sources. Combustion air shall not be obtained from a hazardous location, except where the fuel-fired appliances are located within the hazardous location and are installed in accordance with this code. Combustion air shall not be taken from a refrigeration machinery room, except where a refrigerant vapor detector system is installed to automatically shut off the combustion process in the event of refrigerant leakage. Combustion air shall not be obtained from any location below the design flood elevation, a crawlspace, or an attic.

701.1.4. Outdoor openings. Combustion air outdoor openings shall be located and protected according to Sections 401.4 and 401.5, as amended and located at least 18 inches above grade.

702.0. Outdoor Air

702.1. Outdoor Air is required provided for combustion air. Combustion air as required by this chapter shall not be supplied by infiltration.

702.2. Indirect-Connection, Passive-flow Combustion Air. A minimum of one combustion air opening is required. The opening shall be sized with an effective opening to the outdoors of 1 square inch per 6000 Btu/h of the combined input rating of the fuel-burning appliances or according to Table 7-1. The opening into the enclosure containing the appliances shall be located no lower in elevation than 2/3 the distance from the top of the finished floor to the bottom of the finished ceiling in the enclosure.

TABLE 7-1 OIL-FIRED APPLIANCE COMBUSTION AIR DUCT SIZING

Appliance Size (Btu/hr Input)	GPH Input at 140,000 Btu/gallon	Combustion Air Duct Minimum Free Area (sq. in.)	Minimum Round Duct Size (sq. in.)
<120,000	<.85	12	4
120,000 -155,000	.85 – 1.10	19	5
155,000 – 175,000	1.10 – 1.25	28	6

702.3. Indirect-Connection, Forced-flow Combustion Air. Where combustion air is provided by a mechanical forced-air system, it shall be supplied at the minimum rate of 1 cfm per 3500 Btu/h of the combined input rating of all the fuel-burning appliances served. Each of the appliances served shall be electrically interlocked to the mechanical forced-air system so as to prevent operation of the appliances when the mechanical system is not in operation. Where combustion air is provided by the building's mechanical ventilation system, the system shall provide the specified combustion air rate in addition to the required ventilation air.

702.4. Direct-Connection. Fuel-burning appliances that are listed and labeled for direct combustion air connection to the outdoors shall be installed in accordance with the manufacturer's installation instructions.

703.0. Combustion Air Ducts.

703.1. General. Indirect-Connection Combustion air ducts shall:

1. Be of galvanized steel complying with Chapter 6 or of equivalent rigid, corrosion-resistant material approved for this application.
2. Have a minimum cross-sectional dimension of 3 inches.
3. Terminate in an unobstructed space allowing free movement of combustion air to the appliances.
4. Have the same cross-sectional areas as the free area of the openings to which they connect. Each combustion air inlet shall only open into the appliance space with one, separate ducted opening of the required free area opening.
5. Serve a single appliance enclosure.
6. Any dampers installed within any part of a combustion air duct or opening shall be electrically interlocked with the firing cycle of the appliance served, so as to prevent operation of any appliance when the dampers are closed.

Section 801.21 Location and support of venting systems other than masonry chimneys. Add this new section with the following text.

Vent terminations that penetrate a metal roof with a slope greater than 2:12 shall be protected by an ice dam or deflector of a type and design approved by the Code Official.

Section 923.2 Small ceramic kilns-ventilation. Add this new section with the following text.

A canopy-hood shall be installed directly above each kiln. The face opening area of the hood shall be equal to or greater than the top horizontal surface area of the kiln. The hood shall be constructed of not less than No. 24 U.S. gauge galvanized steel or equivalent and be supported at a height of between 12 inches and 30 inches above the kiln by noncombustible supports.

Exception: Each hood shall be connected to a gravity ventilation duct extending in a vertical direction to outside the building. This duct shall be of the same construction as the hood and shall have a minimum cross-sectional area of not less than one fifteenth of the face opening area of the hood. The duct shall terminate a minimum of 12 inches above any portion of a building within four feet and terminate no less than 4 feet from the adjacent property line or any open able window or other openings into the building. The duct opening to the outside shall be shielded, without reduction of duct area, to prevent entrance of rain into the duct. The duct shall be supported at each section by noncombustible supports. Provisions shall be made for air to enter the room in which a kiln is installed at a rate at least equal to the air being removed through the kiln hood.

Section 1001.1 Scope. Amend exception #7 as follows.

378 7. Any boiler or pressure vessel subject to inspection by federal inspectors.

379
380 **Section 1005.2 Potable water supply.** Delete this section and its title in their entirety and substitute the
381 following.

382
383 Section 1005.2 Water Supply. An automatic means of water or heat transfer liquid makeup supply is
384 required connected to all boilers. Connections to the potable water piping system shall be in
385 accordance with the *Uniform Plumbing Code* as amended.

386
387 **Section 1006.7.Boiler safety devices.** Amend this section by adding the following and Table 10-3 of the
388 *2009 Uniform Mechanical Code*.

389
390 Automatic boilers shall be equipped with controls and limit devices as set forth in Table 10-3.

TABLE 10-3 Controls and Limit Devices for Automatic Boilers																
Boiler Group	Fuel	Fuel Input Range (Inclusive), Btu/h	Type of Pilot ²	Safety Control Timing (Nominal Maximum Time In Seconds)					Assured Fuel Supply ⁴ Control	Assured Air Supply ⁵ Control	Low Fire Start Up Control ¹	Pre-purging Control	Hot Water Temperature and Low Water Limit Controls ⁶	Steam Pressure and Low Water Limit Controls ⁶	Approved Fuel Shutoff ¹⁰	Control and Limit Device System Design ¹¹
				Trial for Pilot	Trial for Main Burner Flame			Main Burner Flame Failure ³								
					Direct Electric Ignition	Flame Pilot										
A	Gas	0-400,000	Any type	90	Not Required	90	90	Not required	Required	Not required	Not required	Required	Required	Not required	Not required	Control and Limit System Design ¹¹
B	Gas	400,001-2,500,000	Interrupted or intermittent	15	15	15	2-4	Not required	Required	Not required	Not required	Required	Required	Not required	Not required	Required
C	Gas	2,500,001-5,000,000	Interrupted or intermittent	15	15	15	2-4	Required	Required	Required	Required	Required	Required	Required	Required	Required
D	Gas	Over 5,000,000	Interrupted	15	15	15	2-4	Required	Required	Required	Required	Required	Required	Required	Required	Required
E	Oil	0-400,000	Any type	Not Required	90	90	90	Not required	Required	Not required	Not required	Required	Required	Not required	Not required	Required
F	Oil	400,001-1,000,000	Interrupted	Not Required	30	30	2-4	Required	Required	Not required	Not required	Required	Required	Required	Not required	Required
G	Oil	1,000,001-3,000,000	Interrupted	Not Required	15	15	2-4	Required	Required	Not required	Not required	Required	Required	Required	Not required	Required
H	Oil	Over 3,000,000	Interrupted	15	15	60	2-4	Required	Required	Required	Required	Required	Required	Required	Required	Required
K	Electric	All	Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required	Not required	Required	Required	Not required	Not required	Required
L	Gas, Oil and/or Coal	12,500,000 or more	Any	10 sec per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per ASME Power Boiler Code, Section I and NFPA 85	Per ASME Power Boiler Code, Section I and NFPA 85	Per NFPA 85	Per NFPA 85
M	Heat Recovery Steam Generator	Any	None	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per NFPA 85	Per ASME Boiler & Pressure Code & NFPA 85	Per ASME Boiler & Pressure Code & NFPA 85	Per NFPA 85	Per NFPA 85

FOOTNOTES FOR TABLE 10-3

¹Fuel input shall be determined by one of the following:

(a) The maximum burner input as shown on the burner nameplate or as otherwise identified by the manufacturer.

(b) The nominal boiler rating, as determined by the building official, plus twenty-five percent (25%).

²Automatic boilers shall have one flame failure device on each burner, which shall prove the presence of a suitable ignition source at the point where it will reliably ignite the main burner, except that boiler groups A, B, E, F, and G, which are equipped with direct electric ignition, shall monitor the main burner, and all boiler groups using interrupted pilots shall monitor only the main burner after the prescribed limited trial and ignition periods. Boiler group A, equipped with continuous pilot, shall accomplish 100 percent shutoff within ninety (90) seconds upon pilot flame failure. The use of intermittent pilots in boiler group C is limited to approved burner units.

³In boiler groups B, C, and O a 90-second main burner flame failure limit may apply if continuous pilots are provided on manufacturer assembled boiler-burner units that have been approved by an approved testing agency as complying with nationally recognized standards approved by the building official. Boiler groups F and G equipped to re-energize their ignition systems within 0.8 second after main burner flame failure will be permitted thirty (30) seconds for group F or fifteen (15) seconds for group G to re-establish their main burner flames.

⁴Boiler groups C and D shall have controls interlocked to accomplish a non-recycling fuel shutoff upon high or low gas pressure, and boiler groups F, G, and H using steam or air for fuel atomization shall have controls interlocked to accomplish a non-recycling fuel shutoff upon low atomizing steam or air pressure. Boiler groups F, G, and H equipped with a preheated oil system shall have controls interlocked to provide fuel shutoff upon low oil temperature.

⁵Automatic boilers shall have controls interlocked to shut off the fuel supply in the event of draft failure if forced or induced draft fans are used or, in the event of low combustion airflow, if a gas power burner is used. Where a single motor directly driving both the fan and the oil pump is used, a separate control is not required.

⁶Boiler groups C, O, and H, when firing in excess of 400,000 Btu per combustion chamber, shall be provided with low fire start of its main burner system to permit smooth light-off. This will normally be a rate of approximately one-third of its maximum firing rate.

⁷Boiler groups C, D, and H shall not permit pilot or main burner trial for ignition operation before a purging operation of sufficient duration to permit a minimum of four complete air changes through the furnace, including combustion chamber and the boiler passes. Where this is not readily determinable, five complete air changes of the furnace, including combustion chamber up to the first pass, will be considered equivalent. An atmospheric gas burner with no mechanical means of creating air movement or an oil burner that obtains two-thirds or more of the air required for combustion without mechanical means of

creating air movement shall not require purge by means of four air changes, so long as its secondary air openings are not provided with means of closing. If such burners have means of closing secondary air openings, a time delay must be provided that puts these closures in a normally open position for four minutes before an attempt for ignition. An installation with a trapped combustion chamber shall, in every case, be provided with a mechanical means of creating air movement for purging.

⁸Every automatic hot-water-heating boiler, low-pressure hot-water-heating boiler, and power hot water boiler shall be equipped with two high-temperature limit controls with a manual reset on the control, with the higher setting interlocked to shut off the main fuel supply, except that manual reset on the high-temperature limit control shall not be required on any automatic package boiler not exceeding 400,000 Btu/h input and that has been approved by an approved testing agency. Every automatic hot-water heating, power boiler, and package hot-water supply boiler shall be equipped with one low-water level limit control with a manual reset interlocked to shut off the fuel supply, so installed as to prevent damage to the boiler and to permit testing of the control without draining the heating system, except on boilers used in Group R Occupancies of less than six units and in Group U Occupancies and further, except that the low-water level limit control is not required on package hot-water supply boilers approved by a nationally recognized testing agency. However, a low-water flow limit control installed in the circulating water line may be used instead of the low-water level limit control for the same purpose on coil-type boilers.

⁹Every automatic low-pressure steam-heating boiler, small power boiler, and power steam boiler shall be equipped with two high-steam pressure limit controls interlocked to shut off the fuel supply to the main burner with manual reset on the control, with the higher setting and two low-water-level limit controls, one of which shall be provided with a manual reset device and independent of the feed water controller. Coil-type flash steam boilers may use two high-temperature limit controls, one of which shall be manually reset in the hot water coil section of the boiler instead of the low-water level limit control.

¹⁰Boiler groups C, D, and H shall use an approved automatic reset safety shutoff valve for the main burner fuel shutoff, which shall be interlocked to the programming control devices required. On oil burners where the safety shutoff valve will be subjected to pressures in excess of ten (10) psi when the burner is not firing, a second safety shutoff valve shall be provided in series with the first. Boiler groups C and D using gas in excess of one (1) pound-per-square-inch pressure or having a trapped combustion chamber or employing horizontal fire tubes shall be equipped with two approved safety shutoff valves, one of which shall be an automatic reset type, one of which may be used as an operating control, and both of which shall be interlocked to the limit-control devices required. Boiler groups C and D using gas in excess of one (1) pound per square inch pressure shall be provided with a permanent and ready means for making periodic tightness checks of the main fuel safety shutoff valves.

¹¹Control and limit device systems shall be grounded with operating voltage not to exceed 150 volts, except that, upon approval by the building official, existing control equipment to be reused in an altered boiler control system may use 220 volt single phase with one side grounded, provided such voltage is used for all controls. Control and limit devices shall interrupt the ungrounded side of the circuit. A readily accessible means of manually disconnecting the control circuit shall be provided with controls so arranged that when they are de-energized, the burner shall be inoperative.

1006.8. Electrical requirements. Add the following sentence and exception to this subsection.

The required means of disconnect shall be within clear view of the boiler burner.

Exception: Where it is not possible for personnel to position themselves out of clear view of the means of disconnect while maintaining the boiler, the capability of being locked in the off position shall not be required of the means of disconnect.

Section 1007.Boiler low-water cutoff. Delete this section in its entirety and refer to Section 1006.7 as amended.

Section 1101. 11 Installation Identification. Add this subsection with the following text.

Each refrigerating system erected on the premises shall be provided with legible permanent signage, securely attached and easily accessible, as required in sections 1101.11.1 – 1101.11.3. In the event that the type or amount of refrigerant or other indication is changed, the signs must be changed or replaced to indicate the new conditions.

1101.11.1 Each systems shall be provided a sign indicating:

- a. the name and address of the installer,
- b. the refrigerant number and amount of refrigerant,
- c. the lubricant identity and amount, and
- d. the field test pressure applied

1101.11.2 Systems containing more than 110 lb. of refrigerant and consisting of controls and piping shall be provided signs having letters at least .5 inches in height indicating:

(a).Each valve or switch that controls the refrigerant flow, the machinery room ventilation, and the compressors

(b).The specific fluid, whether a refrigerant or secondary coolant, that is contained in exposed piping outside of the refrigerating machinery room. Valves or the piping adjacent to the valves shall be labeled in accordance with ANSI A13.1.

1101.11.3 Each Refrigeration Machinery Room entrance must have in clear view a sign reading:

“Machinery Room – Authorized Personnel Only. – Only those trained in emergency procedures if the Refrigerant alarm is activated.”

Section 1105.3 Refrigerant detector. Amend this section by adding a second sentence to read as follows.

Refrigerant detectors shall alarm both inside and outside the machinery room and refrigerated space.

Section 1105.6.2 Makeup air. Amend this section as follows.

Provisions shall be made for makeup air to replace that being exhausted. Openings for makeup air shall be located to avoid intake of exhaust air. Supply and exhaust ducts to the machinery room shall

serve no other area, shall be constructed in accordance with Chapter 5 and shall be covered with corrosion-resistant screen of not less than ½-inch mesh.

Section 1205.1.3 Pressure vessels. Add the following exception to this subsection.

Exception: Shutoff valves for diaphragm-type expansion tanks in systems installed with a single expansion tank of 12-gallon water volume or smaller, shall not be required.

Section 1205.1.6.Expansion Tanks. Delete this subsection in its entirety.

Section 1301.1 Scope. Amend this section as follows.

The design, installation, construction and repair of fuel oil and waste oil storage and piping shall be in accordance with this chapter and NFPA 31. The storage of fuel oil and flammable and combustible liquids shall be in accordance with the *International Fire Code*.

Section 1301.4 Fuel tanks, piping and valves. Amend and add to this section as follows.

The tank, piping and valves for appliances burning oil shall be installed in accordance with the requirements of this chapter. The oil supply line is required to be taken from the top of the tank only, and where the level of fuel within the tank may be above the inlet port of the appliance served an approved method to prevent siphoning from the tank must be provided. If the tank is located inside a building, emergency pressure relief venting is required to the exterior.

1301.4.1 Day tanks or supply tanks. Day tanks shall be installed in accordance with this code and NFPA 31.

1301.4.1.1 A day tank or supply tank of (60) gallons or less may be installed for generators, boilers and water heaters within a boiler or mechanical room provided a (1)-hour fire-resistive occupancy separation is constructed around the room containing the equipment being served and the day tank or supply tank.

1301.4.1.2 Day tanks or supply tanks which exceed (60) gallons shall be installed in accordance with the following requirements:

- A. A sprinkler system as approved by the Fire Department is required for the mechanical room.
- B. The room containing the day tank or supply tank shall be located on an exterior wall.
- C. Two exits shall be provided from the boiler room or mechanical room. One exit shall open directly to the exterior and be accessible to fire-fighting personnel.
- D. A (2)-hour fire resistive occupancy separation shall be provided around the boiler room or mechanical room.

1301.4.2 Waste oil tanks. Tanks installed inside buildings for the collection of class IIIB motor vehicle waste oil and connected to listed oil-burning appliances shall be restricted to Group S-1 and motor vehicle related occupancies as referenced by the *International Building Code*. Waste oil tanks

located outside of central heating enclosures shall be limited to 500 gallon cumulative capacity, be provided with approved emergency pressure relief venting and shall be equipped with a hinged cap. All oil lines shall be equipped with a spring-loaded fusible valve located immediately adjacent to the tank shell.

Waste oil tanks exceeding 500-gallon capacity and connected to waste oil-burning appliances shall be enclosed in a separate one-hour fire-resistive occupancy separation, be provided with approved emergency pressure relief venting and shall be surrounded by a four (4) –inch high non-combustible curb.

Waste oil tanks located inside of central heating plant enclosures or generator mechanical rooms shall conform to section 1301.4.1 as amended. Upon approval of the Fire Chief, listed waste oil heaters may be located in other occupancy groups provided the tanks are installed outside of the building in accordance with chapter 15 of the International Mechanical Code and NFPA 31 Chapter 12, or installed in compliance with IMC section 1301.4.1.

Chapter 15.42

PLUMBING CODE

Sections:

15.42.010. Adoption.

15.42.020. Modifications.

15.42.030. Appeals.

15.42.040. Local amendments to the Uniform Plumbing Code, 2009 2014 Edition.

15.42.010 Adoption.

The code known as the Uniform Plumbing Code, 2009 2014 Edition, of the International Association of Plumbing and Mechanical Officials, and every part thereof, together with the local amendments as set forth in NPMC 15.42.040, shall constitute the laws of the City relating to plumbing. An electronic copy of the Uniform Plumbing Code is retained at the City offices. (Ord. 12-11 § 2, 2012)

15.42.020 Modifications.

The Building Official shall have the power to modify any of the provisions of the Uniform Plumbing Code adopted by this chapter upon application in writing by the owner or lessee or his duly authorized agent, when there are practical difficulties in the way of carrying out the strict letter of the code; provided, that the spirit of the code is observed, public safety secured, and substantial justice done. The particulars of the modification, when granted or allowed, and the decision of the Building Official thereon shall be entered upon the records of the Department, and a signed copy shall be furnished the applicant. (Ord. 12-11 § 2, 2012)

15.42.030 Appeals.

Whenever the Building Official disapproves an application or refuses to grant a permit applied for, or when it is claimed that the provisions of the code have been misconstrued or wrongly interpreted, the applicant may appeal from the decisions of the Building Official to the Mayor/City Manager within thirty days from the date of the decision. The appointment of the appeals board will be on a case-by-case basis with the members of said board comprised of local design professionals, contractors, inspectors or other members of the public deemed knowledgeable of the subject matter by the Mayor/City Manager. (Ord. 12-11 § 2, 2012)

15.42.040 Local amendments to the Uniform Plumbing Code, 2009 2014 Edition.

The amendments to the Uniform Plumbing Code, 2009 2014 Edition, as published by the International Association of Plumbing and Mechanical Officials, are hereby adopted by the City of North Pole as follows:

CHAPTER 1 ADMINISTRATION

Section 101.3 Purpose. Add subsections to read as follows:

101.3.1. Referenced Codes. The technical codes as referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each reference. References

to *NFPA 54* and the *Uniform Mechanical Code* shall be replaced with adopted codes specified in sections 101.3.1.1 and 101.3.1.2

101.3.1.1. Gas. The provisions of the *International Fuel Gas Code* shall apply to the installation of fuel gas piping from the point of delivery, gas appliances and related accessories as covered in this code. These requirements apply to gas piping systems extending from the point of delivery to the inlet connections of appliances and installation and operation of residential and commercial gas appliances and related accessories.

101.3.1.2. Mechanical. The provisions of the *International Mechanical Code* shall apply to the installation, alterations, repairs and replacement of mechanical systems, including equipment, appliances, fixtures, fittings and/or appurtenances, including ventilating, heating, cooling, air-conditioning and refrigeration systems, incinerators and other energy-related systems.

101.3.1.3. Administrative. The provisions of the City of North Pole Administrative Code Chapter 15.04 shall apply to the administration and enforcement of this code. Where provisions of the City of North Pole Administrative Code and this code conflict, the more restrictive test shall apply.

101.3.1.4 Building. The provisions of the *International Building Code* shall apply where reference is made to the Building Code in this document.

Section 102.1 Conflicts Between Codes. Delete this section in its entirety and replace with the following:

When conflicts occur between this code and other technical codes, those provisions providing the greater safety to life shall govern. In other conflicts, between this code and other codes or laws, where sanitation, life safety or fire safety are not involved, the most restrictive provisions shall govern.

Where in a specific case different sections of these codes specify different materials, methods of construction or other requirements, the most restrictive shall govern. When there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

Section 104.1 Permits required. Add the following subsection.

Section 104.1 Emergency Repairs. Where equipment or piping system replacement must be performed in an emergency situation, the permit application shall be submitted to the building official within 72 hours of such emergency. All required inspections shall be conducted.

104.3.2 Plan Review Fee. Delete Section 104.3.2 in its entirety and replace with the following.

When submittal documents are required by Section 104.3.1, a plan review fee shall be paid. The plan review fee shall be paid when the review has been completed. The plan review fee shall be paid in conjunction with the plumbing permit fee. For Plan Review fees, see Chapter 15.04 Administrative Code.

104.3.2.1 Plan Check Fee Identical Building Construction. Create a new subsection and title as follows.

Section 104.3.2.1 Plan Check Fee Identical Building Construction. The plan check fee for identical buildings with the same building construction shall be reduced by 75% of the initial plan check fee when the following conditions are met;

- a. The structural framing and floor plan are identical
- b. Construction is simultaneous or in immediate sequence.

Section 104.3 Application for Permit. Add the following subsection.

Section 104.3.4 Deferred Submittals. For the purposes of this section, deferred submittals are defined as those portions of the design which are not submitted at the time of the application and which are to be submitted to the building official within a specified period. Deferral of any submittal items shall have prior approval of the building official. The architect or engineer of record shall list the deferred submittals on the plans and shall submit the deferred submittal documents for review by the building official. Submittal documents for deferred submittal items shall be submitted to the architect or engineer of record who shall review them and forward them to the building official with a notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance with the design of the building. The deferred submittal items shall not be installed until their design and submittal documents have been approved by the building official.

Section 104.4.1.Approved Plans or Construction Documents. Delete the first paragraph of this section and replace with the following.

When the building official issues a permit, the construction documents shall be approved by separate letter or plan review stating, or the plans shall be stamped as, “Reviewed and Approved for Code Compliance”. Work shall be installed in accordance with the approved construction documents. Changes to the approved set of construction documents that affect code compliance are prohibited unless amended documents are resubmitted by the appropriate design professional for review and approval before such modification is constructed in the field.

Section 104.5 Fees. Delete Section 104.5 in its entirety and refer to Table 3-A of the City of North Pole Administrative Code, Chapter 15.04.

Section 104.5.2 Investigation Fee - Work Without a Permit. Delete this subsection and substitute the following.

See City of North Pole Administrative Code, Chapter 15.04.

Section 104.5.3 Fee Refunds. Delete number 2 and substitute the following.

See City of North Pole Administrative Code, Chapter 15.04.

Section 105.2.1 Uncovering. Delete the second paragraph and substitute the following.

The requirements of this section shall not be considered to prohibit the operation of any plumbing installed to replace existing equipment or fixtures serving an occupied portion of the building in the event a request for inspection of such equipment or fixture has been filed with the Authority Having Jurisdiction not more than 48 hours after such replacement work is complete, and before any portion of such plumbing systems is concealed by any permanent portion of the building.

Section 105.3.3 Approval. Delete this section in its entirety and substitute the following.

Upon the satisfactory completion and final test of the plumbing system, an approval for use shall be issued by the Authority Having Jurisdiction to the permittee.

Section 106.2 Notices of Correction or Violation. Delete the second paragraph of this section and substitute the following.

Refusal, failure, or neglect to comply with any such notice or order within (180) days of receipt thereof, or other time limit as set forth in the notice or order, shall be considered a violation of this code and shall be subject to the penalties set forth elsewhere in this code for violations.

Section 106.3 Penalties. Delete this section in its entirety and replace with the following.

Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, constructs, alters, or repairs any plumbing in violation of the approved construction documents or directive of the building official, or of a permit or certificate issued under the provision of this code or other codes adopted by this jurisdiction shall be subject to penalties prescribed by law.

204.0 Building Thermal Envelope. Add the following definition to this section.

Building Thermal Envelope – For purposes of the plumbing code: the basement walls, exterior walls, floors, roofs, and any other building elements that enclose conditioned spaces, and frost-protected foundations. For frost-protected foundations with required horizontal insulation, the thermal envelope shall be considered to extend from the warm-in-winter side, to the projection of the vertical insulation, cold-in-winter exterior surface. For thermal envelope assemblies enclosing conditioned spaces, the thermal envelope assembly includes any vapor retarders.

205.0 Conditioned Space – Add the following Definition to this section.

Conditioned Space -- For purposes of the plumbing code, space within a building that is provided with heating equipment or systems capable of maintaining, through design or heat loss, 50 degrees F during the heating season, or communicates directly with a conditioned space.

210.0. Hot Water.- Delete this definition and substitute the following.

Hot Water – Water at a temperature exceeding or equal to 110 degrees F.

303.0 Disposal of Liquid Waste. Add the following sentence to this section.

Pit privies (outhouses), as defined by Alaska D.E.C. 18 AAC 72.030 and 7 AAC 10.9990(46)(B), are prohibited.

Section 312.6 Freezing Protection – Delete 312.6 in its entirety and substitute the following.

All water, soil, waste, vent, or roof drainage piping shall be installed on the warm-in-winter side of the Building Thermal Envelope assembly, including any vapor retarders.

Exception 1.Vent piping above the roof.

Exception 2.Vent piping, other than wet vents, may be installed within exterior walls or above the roof/ceiling assembly where enclosed within at least R-8.8 insulation. This insulation must be continuous from the piping penetration of the warm-in-winter surface of the thermal envelope to the underside of the piping's roof sheathing penetration. The insulation of the Building Thermal Envelope assembly may be used to meet this requirement.

Exception 3.Underground Building Drain or Water Distribution piping outside the Building Thermal Envelope installed according to the circulation and insulation provisions of the latest revised standards of the local Public Water and Sewer Utility for water and sewer services.

Exception 4.A system of frost protection that, is designed and sealed by a currently registered engineer or architect, including but not limited to heat trace installed according to Sections 301.2 and 309.4; and provided it is accessible for repair or replacement without excavation or removal of elements of construction.

Section 312.9 Steel Nail Plates. Delete 312.9 and its exception in their entirety and substitute the following.

In concealed locations where piping, other than cast-iron or steel, is installed through holes or notches in studs, joists, rafters or similar members less than 1½ inches from the nearest edge of the member, the pipe shall be protected by shield plates having a minimum thickness of 0.0575 inch (No. 16 gage) shall cover the area of the pipe where the member is notched or bored, and shall extend a minimum of 2 inches above sole plates and below top plates.

Section 312.12. Rodent proofing. Delete 312.12 in its entirety.

Section 402.5 Setting. Delete the Exception and substitute the following.

Exception: The installation of paper dispensers, sanitary napkin receptacles, or accessibility grab bars shall not be considered obstructions if located such that a minimum of 7 inches clearance is maintained in any direction from the outside surface of the usable portion of the fixture.

Section 403.2 Fixtures and Fixture Fittings for Persons with Disabilities. Delete this section in its entirety and refer to Chapter 11 of the 2015 IBC and ICC/ANSI A117.1-2003.

Section 411.3 (Water Closet Seats). Delete the second sentence and substitute the following:

Water closet seats for public use shall be of the elongated and open-front type.

Section 422.0 Minimum Number of Required Fixtures. Delete this section in its entirety and refer to Chapter 29 and Table 2902.1 as amended of the 2015 IBC.

Table 422.1 Minimum Plumbing Facilities. Delete this Table in its entirety and refer to Table 2902.1 as amended of the 2015 IBC.

Section 501.0 General. Delete this section and substitute the following.

The regulations of this chapter shall govern the construction, location, and installation of fuel-burning and other water heaters heating potable water. All fuel and combustion air systems, chimneys, vents, and their connectors shall be regulated by the respective sections of the locally amended 2015 International Mechanical Code and the 2015 International Fuel Gas Code. The minimum capacity for water heaters shall be in accordance with the first hour rating listed in Table 501.1(1). All design, construction, and workmanship shall be in conformity with accepted engineering practices, manufacturer's installation instructions, and applicable standards and shall be of such character as to secure the results sought to be obtained by the respective Codes.

Section 502.1.Permits.Add the following exception.

Exception: Replacement of an existing, approved, non-fuel-fired electric water heater with one of like size, type and rating in a manner that maintains its approval shall not require a permit.

Section 503.2 Final Water Heater Inspection. Delete this section and substitute the following.

A final water heater inspection shall be made after all work requiring a permit has been installed in addition to inspections required for other work regulated by the mechanical code and fuel gas code.

Section 505.4.1 Single Wall Heat Exchangers. Delete part 2 (b) of this subsection and substitute the following.

(b) The pressure of the heat-transfer medium must be limited to a maximum of (labeled by installer and equal to the system safety or relief valve rating) psig by an approved safety or relief valve and the

potable water system must be maintained at a normal minimum operating pressure of at least (labeled by installer and 5 psig greater than the heat-transfer medium safety or relief valve rating).

Section 603.5.10 Steam or Hot Water Boilers. Add the following exception.

Exception: Potable water makeup connections to boilers containing only heat-transfer mediums of water or other nontoxic fluid having a toxic rating or Class of 1 as listed in Clinical Toxicology of Commercial Products, 5th edition shall be permitted to be provided with a listed Backflow Preventer with Intermediate Atmospheric Vent.

603.5.16 Special Equipment. Add the following to this subsection.

Chemical Dispensers otherwise approved for connection to the potable water piping system shall not be connected to an Atmospheric Vacuum breaker hose thread in such a way that the Atmospheric Vacuum breaker is able to be pressurized, e.g. with a valve in the discharge piping.

Section 609.4 Testing. Delete the third sentence and substitute the following.

A one hundred (100) pound per square inch air pressure test may be substituted for the water test.

Section 612 Residential Fire Sprinkler Systems. Delete this section in its entirety.

Section 712.1 Media. Delete the first sentence and replace with the following.

The piping of the plumbing, drainage, and venting systems shall be tested with water or air.

Section 719.1 Cleanout Location. Delete the first paragraph in its entirety and replace with the following:

Cleanouts shall be placed at the connection of the building sewer and building drain outside the building and extend to grade.

Section 719.2. Delete this section in its entirety.

Section 807.3 Domestic Dishwashing Machines. Add the following subsection.

Section 807.3.1. When a compartment or space for a domestic dishwasher is provided, an approved dishwasher airgap fitting shall be installed.

812.2 Elevator Pits. Add this new Subsection.

812.2 Elevator Pits. Where drains are not provided to prevent the accumulation of water in elevator pits, sumps are required. Drains connected directly to the sanitary system shall not be installed in elevator pits. Sumps in elevator pits, where provided, shall be covered and the cover shall be level

with the pit floor. The pump shall be of sufficient capacity to prevent the accumulation of water in the pit. If the building is fire-sprinklered, the pump shall be sized of at least the capacity of one energized sprinkler head.

Section 906.7 Frost or Snow Closure. Replace the first sentence with the following.

Vent terminals shall be a minimum of 3 inches in diameter, but in no event smaller than the required vent pipe.

1002.2 Fixture Traps. Add the following exception to this section.

Exception: The developed length of a trap arm from a two-inch outlet private floor drain in a garage bay serving a single dwelling unit shall be permitted to exceed the distances given in Table 1002.2 if the floor drain trap and trap arm are increased to three-inch nominal size. When installed according to this exception the trap arm is required without any offsets or changes in direction and the vent shall be connected below, and extend vertically into or adjacent to the first garage wall under which the trap arm passes.

Section 1101.6 Subsoil Drains. Delete 1101.6

Section 1101.12.2.2.2 Combined System. Delete the second sentence in this subsection and replace with the following:

When the combined secondary and primary roof drain system connects to a building storm drain that connects to an underground storm sewer, a relief drain shall be installed to ensure positive common roof drain flow. The connection of this relief drain to the common drain shall not divert or obstruct the primary drain.

Section 1101.12.1 Primary Roof Drainage. Delete the last sentence of this section and replace with the following.

Unless otherwise required by the Authority Having Jurisdiction, roof drains, gutters, vertical conductors or leaders, and horizontal storm drains for primary drainage shall be sized based on a maximum rainfall of one (1) inch per hour per square foot of roof area.

Section 1106.2 Methods of Testing Storm Drainage Systems. Delete the first sentence of this section and substitute the following.

The piping of storm drain systems shall be tested upon completion of the rough piping installation by water or air and proved tight.

Chapter 12 Fuel Piping. Delete this chapter in its entirety and refer to the 2015 *International Fuel Gas Code* as amended.

Chapter 14 Firestop Protection. Delete this Chapter in its entirety and refer to the *International Building Code* as amended.

Appendix H Private Sewage Disposal Systems. Delete this section in its entirety and replace with the following:

Private Sewage Disposal Systems shall be designed and installed in accordance with the current standards as published by the State of Alaska Department of Environmental Conservation (D.E.C.). Written verification from D.E.C. or a State of Alaska-certified Septic System Installer of the D.E.C.'s approved installation shall be submitted to the Building Department. A Certificate of Occupancy shall not be issued until this written verification is submitted to the Building Department.

Appendix C

Section C 101.3 (required descriptive details). Add the following to this section.

For the plumbing systems in Appendix C, other than those of C301.0, C302.0, and C501.0, the design by a registered professional engineer is required where the work is not exempted by AS 08.48.331.A riser diagram or isometric indicating the provisions of Appendix C intended to be installed shall be submitted for review and approval by the Building Department prior to the work being commenced. The riser diagram or isometric is in addition to the other details or data that may be required by the Building Official.

Section C 302.2.Single-wall heat exchangers. Delete part (3) of this subsection and substitute the following.

(3).The equipment is permanently labeled according to Section 505.4.1 (3) as amended.

Section C 601.0 Single-Stack Vent System. Delete the 1st sentence of this subsection.

1 **Chapter 15.36**

2 **ELECTRICAL CODE**

3 Sections:

4 **15.36.010. Adoption.**

5 **15.36.020. Modifications.**

6 **15.36.030. Appeals.**

7 **15.36.040. Local amendments to the National Electrical Code, ~~2011~~ 2014 Edition.**

8
9 **15.36.010 Adoption.**

10 The code known as the National Electrical Code, ~~2011~~ 2014 Edition, of the National Fire Protection
11 Association, and every part thereof, together with the local amendments as set forth in NPMC 15.36.040,
12 shall constitute the laws of the City relating to electrical installations. An electronic copy of the National
13 Electrical Code is retained at the City offices. (Ord. 12-10 § 2, 2012)

14
15 **15.36.020 Modifications.**

16 The Building Official shall have the power to modify any of the provisions of the National Electrical
17 Code adopted by this chapter upon application in writing by the owner or lessee or his duly authorized
18 agent, when there are practical difficulties in the way of carrying out the strict letter of the code; provided,
19 that the spirit of the code is observed, public safety secured, and substantial justice done. The particulars
20 of the modification, when granted or allowed, and the decision of the Building Official thereon shall be
21 entered upon the records of the Department, and a signed copy shall be furnished the applicant. (Ord. 12-
22 10 § 2, 2012)

23
24 **15.36.030 Appeals.**

25 Whenever the Building Official disapproves an application or refuses to grant a permit applied for, or
26 when it is claimed that the provisions of the code have been misconstrued or wrongly interpreted, the
27 applicant may appeal from the decisions of the Building Official to the Mayor/City Manager within thirty
28 days from the date of the decision. The appointment of the appeals board will be on a case-by-case basis
29 with the members of said board comprised of local design professionals, contractors, inspectors or other
30 members of the public deemed knowledgeable of the subject matter by the Mayor/City Manager. (Ord.
31 12-10 § 2, 2012)

32
33 **15.36.040 Local amendments to the National Electrical Code, ~~2011~~ 2014 Edition.**

34 The amendments to the National Electrical Code, ~~2011~~ 2014 Edition, as published by the National
35 Electrical Code Committee, are hereby adopted by the City of North Pole as follows:

36 :

37 *Article 210.8. Ground-Fault Circuit-Interrupter Protection for Personnel.* Add subsection ~~[(D)]~~[(E)] to read
38 as follows:

39
40 ~~[(D)]~~[(E)] Day Care Facilities.

41 In all day care facilities as defined by the current building codes adopted by the City of North Pole all
42 125-volt, single phase, 15- and 20- ampere receptacles installed where accessible to children shall
43 have ground-fault circuit-interrupter (GFCI) protection.
44

Article 210.52.Dwelling Unit Receptacle Outlets. Add subsection ~~(H)~~(J) to read as follows:

(J).Parking spaces.

For each dwelling unit and mobile home, there shall be at least one exterior weather proof duplex receptacle on a separate 20- ampere ~~{G.F.C.I.}~~ circuit adjacent to on-site parking locations.

Article 220.52 Small Appliance, Laundry and Car Head bolt Heater Loads - Dwelling Unit. Add subsections (C) and (D) to read as follows:

(C).Car Head bolt Heater Loads.

A feeder load of not less than 1500 volt-amperes shall be included for each individual 20 ampere branch circuit required by Article 210.52(e). This requirement also applies to Article 220.30, 220.31, 220.32, 220.33.

(D).Commercial Parking Areas.

The minimum calculated load for each car head bolt heater receptacles is 1200 volt amperes. If the service, feeder and branch circuit overcurrent protective devices are located outside then 1200 volt amperes for the first 30 spaces, 1000 volt amperes for the next 30 spaces and 800 volt amperes for each space over 60 will be allowed.

Article 230.9(A).Clearances. Amend as follows:

Service conductors installed as open conductors or multi-conductor cable without an overall outer jacket shall have a clearance of not less than 900 mm (3 ft) from windows that are designed to be opened, doors, porches, balconies, ladders, stairs, fire escapes, building attic gable vents, or similar locations.

Article 230.11 Service Detail Requirements. Add a new section as follows:

Service installations shall comply with the details of Exhibit #1 Residential Service.

Article 230.12.Temporary Power Service.Add a new section as follows:

Temporary Services shall comply with the details of Exhibit #2 Temporary Service.

Article 230.24(B).Vertical Clearance for Overhead Service Conductors. Amend as follows:

(1) 3.81 m (12.5 feet) - at the electrical service entrance to buildings, also at the lowest point of the drip loop of the building electrical entrance, and above areas or sidewalks accessible only to pedestrians, measured from final grade or other accessible surface only for overhead service conductors supported on and cabled together with a grounded bare messenger where the voltage does not exceed 150 volts to ground

(2) 3.81 m (12.5 feet) - over residential property and driveways, and those commercial areas not subject to truck traffic where the voltage does not exceed 300 volts to ground.

Article 230.26. *Point of Attachment*. Amend as follows:

In no case shall this point of attachment be less than ~~[3.81 m]~~ **4.27 m** [~~(12.5 ft.)~~] **(14 ft.)** above finished grade.

Article 230.28. *Service Masts as Supports*. Add subsections ~~[(A)], [(B)],~~ **(C), (D), (E), (F)** to read as follows:

~~[(A)]~~**(C)**. General.

When the overhead service is installed on the eave side of a structure with a pitched roof, the service mast conduit shall extend through the roof.

~~[(B)]~~**(D)**. Conduit Size.

The conduit size shall be a minimum of two inches rigid metal or intermediate metal conduit and must extend at least three feet above the roof surface. If couplings are used in the installation, they must be located below the roof overhang.

~~[(C)]~~**(E)**. Guyed Support.

The service mast conduit when installed through the roof shall be guyed to the roof with a minimum 5/8 inches galvanized closed eyebolt using a minimum of 1/8 inches stranded stainless steel wire aircraft cable with four approved clamps. If the service mast conduit extends above the roof over four feet in length, then a double V-guy installation is required.

~~[(D)]~~**(F)**. Protection of Meter.

When the eave overhang is less than eighteen inches, additional protection shall be required to protect the meter from snow and ice damage by a minimum of an 18 gauge galvanized metal hood or equivalent extending over the meter.

Article 230.41. *Insulation of Service Entrance Conductors*. Add the following:

Individual ungrounded service entrance conductors shall be XHHW, RHW, or R-Type insulation approved for exterior use. No other insulation is acceptable.

Article 230.54(F). *Drip Loops*. Add the following:

For 100 ampere service, leave 18 inches of conductors, for 200 ampere and larger, leave 24 inches of conductors extending out of the weather head.

Article 230.70(A)(1). *Location*. Add the following:

If installed inside, a means to disconnect all conductors in the building from the service entrance conductors shall be provided on the building exterior

Article 230.70(A)(3) *Remote Control*. Add the following subsections:

- (a) The remote control device shall be a key switch approved by the Fire Department.
- (b) The key switch shall shut down the electrical power for the entire building.
- (c) If a facility is equipped with a generator, a key switch shall be installed to shut down the generator in the event of an emergency. This switch shall be located adjacent to the electrical service remote control key switch or the electrical service disconnect.
- (d) Key switch locations shall be marked with a visible sign indicating "Fire Department Use Only" and "Generator Disconnect".

Article 230.70(A)(4).Add subsection (4):

(4).Natural and Liquid Petroleum Gas. Electrical equipment (i.e.: service disconnect, electrical meters, receptacles, etc.) shall be installed not less than 5 feet from any LPG tank installation and related regulators, etc. or NG meter and regulators. If the gas equipment is installed less than 5 feet to the electrical equipment, then the electrical equipment shall meet the requirements of Article 500 and 501 of the National Electrical Code.

Article 230.70(B).Marking. Add the following:

When there is more than one meter on any single service, they shall be permanently identified with numbers painted on the meter base at least one inch in height or identified by other approved means that corresponds to the number on the unit served.

Article 250.66(B) Connections to Concrete Encased Electrodes. Amend the following:

Where the grounding electrode conductor is connected to a concrete encased electrode as permitted in 250.52(A)(3) a #4 AWG bare copper conductor consisting of at least 6.0 m (20 ft) in length shall be installed in the footing for a 100-200 ampere service. A #2 AWG bare copper conductor shall be installed in the footing for 225-300 ampere service. A 1/0 AWG bare copper conductor is required for a 350-400 ampere service. A 2/0 AWG bare conductor is required for a 450-500 ampere service and 3/0 AWG bare conductor is required for services greater than 500 amperes.

Article 410.36(B).Suspended Ceilings. Add the following exception:

Exception: When the light fixtures are supported seismically in accordance with the current building codes adopted by the City of North Pole the above supports are not required.

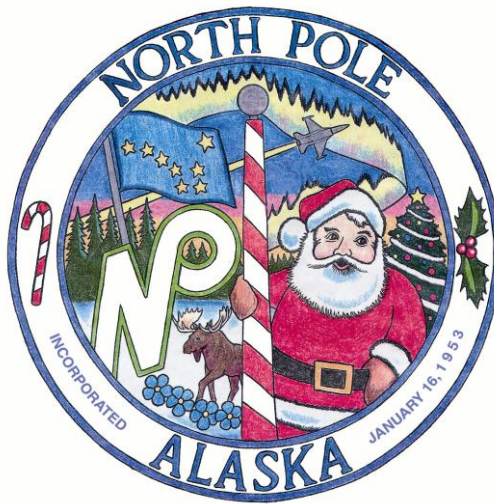
Article 700.12(B).Generator Set. Add subsection (7):

(7).The generator shall have an exterior disconnect located adjacent to service disconnect to prevent the generator from starting when the normal power is turned off in case of an emergency or fire. A weatherproof sign shall be installed adjacent to the service disconnect that reads: Emergency Generator Disconnect Switch.

DEVELOPMENT AGREEMENT

FOR THE

Peridot Business Park



By and Between the

CITY OF NORTH POLE, ALASKA

and

Badger Properties LLC

2017

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Attachments:

Design and Construction Guidelines for the City of North Pole
Street and Drainage Systems

Peridot water runoff plan for Peridot Business Park

Proposed Typical road section for Peridot Business Park

Proposed Plat for Peridot Business Park

R&M Engineering consultant's letter dated 5-9-17

MOA for road plan review and inspection services with the City of
Fairbanks, Alaska

Peridot Business Park

THIS AGREEMENT, made this 15th day of May, 2017, between the CITY OF NORTH POLE, 125 Snowman Ln, North Pole, Alaska, 99705, a municipal corporation of the State of Alaska, hereinafter referred to as the "CITY", and the Badger Properties LLC, Po Box 55068, North Pole Alaska 99705, their heirs and assigns, hereinafter referred to as the "DEVELOPER".

The CITY and the Developer, in consideration of their mutual covenants herein, make this agreement which solely concerns the public improvements which are to be constructed by the Developer for the City and conveyed to the City and private improvements to be owned and maintained by the Developer, if the Developer complies with this Agreement. The Developer will, in addition, have to comply with other City Codes, for example Building and Fire Codes.

SECTION 1. THE DEVELOPER:

1.05 The Developer shall design and install the proposed improvements as herein described, in conformance with the North Pole Code of Ordinances, Chapters 12, Streets sidewalks and public places, and all requirements and specifications of the Design and Construction Guidelines for the City of North Pole Street and Drainage System, or approved design as submitted in this agreement and approved by the City. Any variance to City standards shall be clearly identified and provide justification for the variance, See attachments for road construction variances. All documents are attached to this Agreement, incorporating them as part of the Agreement.

1.10 The Developer shall provide one hundred percent (100%) of the funding for the design and construction of all improvements required by this Agreement.

1.15 In addition, the Developer shall pay the City one hundred percent (100%) for all of the associated expenses incurred by the City including costs for preparation of this developer's agreement, and review, plan check, test, administration, and inspection of these improvements. City labor / administration costs are estimated to be \$18,500 and are billed as a reimbursable cost through an agreement with the City of Fairbanks. See attachments for MOA with City of Fairbanks for plan review and inspection services of roads. The effective start date of the billings will be 7-1-17. All these costs shall be paid promptly upon billing and by the 31st of December of the year in which they accrued and before acceptance of the improvements by the City. City billings are anticipated to be on a quarterly basis.

1.20 The Developer shall be responsible for the maintenance of all improvements covered by this agreement until acceptance tests are satisfactorily completed and written approval is given by the City and the council accepts ownership of the improvements.

1.25 The Developer shall purchase a bond guaranteeing completion of the public improvements to the satisfaction of the City, dedicated for City use to complete the public improvements should the Developer's contractor fail to satisfactorily do so as agreed. The bond amount shall be \$100,000, the estimated total cost of public improvements plus City administration costs as established by the Mayor or Mayor's designee.

The City will relinquish its performance bond interest upon satisfactory completion of the improvements and acceptance by City Council.

1.3 The Developer shall submit to the City three (3) complete copies of all engineering reports, plans, specifications and materials lists including design assumptions and calculations. A deposit of \$1,000 shall be paid for by the developer for the cost to the City for administering the project that includes but are not limited to (reviewing, plan checking, testing and inspecting) , this deposit is not to be construed as an estimate and the Developer will be billed for actual costs associated with this project per Section 1.15. No work shall be permitted to begin until the overall engineering report for all improvements, public and non-public, and the final plans and specifications have been reviewed and approved in writing by the Mayor or Mayor's designee.

The Developer shall submit, to the Mayor or Mayor's designee a proposed schedule. All proposed changes to approved engineering reports, plans, specifications and materials lists shall be submitted in a reasonable length of time prior to starting construction of the affected portion of the project. Construction of any changes shall not commence until approval is given in writing. Subsequent to approval, all changes will be incorporated into the As-built drawings. Submittal of additional materials after commencement of this agreement may incur additional charges that will be billed at the cost of the developer.

1.35 The Developer hereby agrees to grant to the City access to all portions of the property specified in Appendix 'A' or private easement, permit area, etc. which is necessary to accomplish any inspections, surveillance, testing, or any other work to be performed by the City. The actual work schedule will be provided to the City by the Developer. Any changes in the schedule require at least forty-eight (48) hours advance notification to the City. A minimum of seven (7) days written notice is required for any connections to the City's existing facilities.

1.40 All necessary permits, licenses and reservations or easements shall be acquired by the Developer. Drainage reservations or easements will be acquired in the name of the City of North Pole or in a manner that assigns the reservations or easements to the City of North Pole before acceptance of the improvements by the City. Such

reservations or easements shall include permit(s) from appropriate governmental authorities to cover all improvements on government land or within their jurisdiction.

1.45 The Developer shall comply with all applicable statutes, ordinances, rules and regulations of federal, state and governmental agencies. Copies of all pertinent approval letters, permits, licenses and rights of way shall be transferred to the City upon acceptance of the public improvements by the City.

1.50 The Developer will also provide copies of proposed utility plans. Utility facilities will be located to the satisfaction of the City. Each utility is subject to a City right of way permit.

1.55 Permitting of City water and sewer utilities must satisfy the City Utility guidelines [list construction guidelines reference here] or approved design as submitted in this agreement and approved by the City. Any variance to City standards shall be clearly identified and provide justification for the variance with engineering documentation.

1.60 Before acceptance by the City, the Developer shall furnish a one (1) year warranty bond equal to five percent (5%) of the public improvement which the Developer desires the City to accept. The Mayor or Mayor's designee shall not recommend acceptance of the public improvements by the City Council until all deficiencies have been corrected to his satisfaction and all outstanding liens or claims of laborers, materials suppliers, subcontractors, or others arising out of the performance of these improvements have been satisfied.

1.65 The Developer shall complete all improvements required by this Agreement within two (2) years from the date of execution of this Agreement. The Mayor or Mayor's designee may at their discretion allow extensions for up to a total maximum of one (1) year. Acts of God, inclement weather, governmental regulations, labor disputes, fires, required extra work, or any delay totally beyond the control of the Developer may justify an extension of time. All time extensions requested by the Developer shall be made to the City in writing on or before the tenth day following the day in which the alleged delay is said to have occurred. The City shall not be liable for costs incurred by these delays.

1.70 The Developer shall warranty the design, construction and materials utilized in all improvements outlined in this Agreement for one (1) year from the date of acceptance of the improvements by the City Council. The Developer shall remedy at his/her own expense any failure or defect in the work or any failure of any improvement to properly function which is due to design deficiencies, construction deficiencies, faulty materials or workmanship.

1.75 Correction of the deficiencies shall be completed to the City's satisfaction within 30 days of written notification by the City. The warranty bond will be released upon satisfactory correction of all deficiencies of the City's year end warranty inspection if any

security remains from default to warranty obligations. Emergency repairs may be completed by City forces and the cost shall be borne by the Developer.

1.80 The Developer shall hold the City harmless and defend the City from any and all claims arising out of, or incidental to the design, construction or operation by the Developer contemplated by terms of this Agreement by the Developer. The Developer shall not be liable for acts of the City. This section does not create any third party rights and any immunity or defense the City is entitled to shall be available to the Developer in any suit brought by third parties which in any way involved the Development Agreement.

1.85 The Developer shall retain a qualified engineer, licensed by the State of Alaska, to design and review the construction of said improvements including approving any changes and modifications of the design. "As-Built" drawings stamped and signed by a professional engineer and professional land surveyor will be provided to and approved by the City prior to acceptance. It is understood and agreed said engineer and surveyor are agents of and solely responsible to the Developer, and is in no sense whatsoever the agents of the City.

1.90 The Developer shall coordinate the design and construction with the adjacent and affected property owners. Seven (7) days notice shall be provided prior to commencement of construction to those impacted by this project.

1.95 The Developer shall convey the ownership of the public improvements, described in Appendix 'B', to the City of North Pole upon acceptance. The form of the conveyance shall be as approved by the City Attorney. Only these improvements, if accepted by the City, shall be maintained by the City.

SECTION 2. THE CITY:

2.10 The City shall review and approve (when acceptable) the submitted engineering reports, plans, specifications and materials lists prior to construction and inspection of the project. Final approval is required by Mayor or Mayor's designee prior to Notice to Proceed.

2.20 This Agreement does not obligate the City to finance any portion of the public improvements nor accept, operate or maintain any public improvements not constructed or inspected to City standards or design agreed to in this document.

2.30 Upon acceptance of the public improvements by the City Council, the City will take over ownership and operation of the public improvements detailed in this Agreement. City maintenance of these improvements will not begin until this time. The final acceptance inspection by the City of the public improvements detailed in this

agreement will be conducted by the Mayor or Mayor's designee, and representatives from other government agencies and the City as appropriate.

SECTION 3. APPENDICES:

3.10 This Agreement shall include all appendices and attachments referenced and such are incorporated herein as though fully set out herein. This Agreement is composed of the Development Agreement, attachments, and the following appendices:

APPENDIX 'A' Legal Description

APPENDIX 'B' Public Improvements to be conveyed to the City

APPENDIX 'C' Completion Schedule

APPENDIX 'D' Traffic control plan

APPENDIX 'E' Storm water plan (if required)

SECTION 4. GENERAL:

4.10 This Agreement shall not diminish the requirements of the Fairbanks North Star Borough (FNSB) or non-city, governmental agencies.

4.20 If the Developer should fail to repair property or facilities owned by the City which were damaged by the Developer, or his/her agents, or if the Developer makes changes in construction covered by this Agreement without approval by the City, the City, after three (3) days written notice to the Developer, can make such repairs or remove such changes at the expense of the Developer.

4.30 If the City determines the construction of an improvement does not comply with the plans and specifications as approved by the City, the City shall issue a written notice to the Developer specifying the deficiencies and may stop all further construction involving the work found to be non-complying. This stop work order shall remain in effect until the Developer has made all necessary arrangements to remedy the non-compliance and to provide assurances such non-compliance shall not again occur. All damages, loss, expense incurred by any party as the result of a stop order imposed by the City shall not be the responsibility of the City.

4.40 The Mayor or Mayor's designee may authorize representatives (hereafter referred to as the Representative) to inspect all work done and all materials furnished for all improvements specified in this Agreement. The Representative shall have authority to reject materials or work, but the Mayor or Mayor's designee shall have final authority for deciding if the Developer's work and materials are acceptable. The Representative is not authorized to revoke, alter, enlarge, relax, or release any requirements of the plans and specifications, nor to approve or accept any portion of the work, nor to issue instructions contrary to the Agreement, nor act as supervisor for the Developer. The presence or absence of the Representative does not relieve the Developer from his/her obligation to perform all contract requirements and work shall not be deemed acceptable just by the reason of the presence of the Representative.

(SEAL)

Commission Expires: _____

APPENDIX 'A'

THE PROPERTY: The land owned by the Developer which is the subject of this agreement for purposes of this project is described below.

Lot 2 Quinnell subdivision, 1st addition (plat # 2002-100) Located within
Sec 4, T2S R2E FM AK.

APPENDIX 'B'

PUBLIC IMPROVEMENTS TO BE CONVEYED TO THE CITY

The public improvements to be designed, constructed by the Developer, and conveyed to the City with associated easements necessary to encompass, operate and maintain these improvements are as follows:

The public street system will include approximately, 800 linear feet of chip seal streets. Prosperity Way will have access/egress to Peridot Road and shall consist of two 12-foot lanes with chip seal finish and a 3 foot gravel shoulder. Total shoulder width shall be 3 feet. Prosperity Way will service ten new commercial lots and will end in a 85' diameter chip seal cul-de-sac. All surfacing shall consist of a chip seal finish. Road base is greater than required standard at 18" of NFS material. Paved road surface shall be sloped 2% and edge of road shall have a slope no greater than a 3:1.

Prosperity way access onto Peridot shall consist of one 18" culvert extending for the full width of the roadway.

Prosperity way will have the final surface constructed after 80% of the lots are sold. Until the road is completed to the standard outlined in this agreement it will be maintained by Badger Properties LLC.

APPENDIX 'C'

COMPLETION SCHEDULE

The improvements shall be designed and constructed according to the following tentative schedule:

1. Preliminary Design Report, Plans and Specifications to the City for approval: Submitted on 5-10-17
2. Final Design Report, Plans and Specifications to the City for approval: 5-15-17
3. Governmental Agency Approvals
 - a. FNSB Zoning: NA
 - b. FNSB Platting: 6-30-17 preliminary approval
 - c. US Army Corps of Engineers Wetland Permit: in progress
 - d. ADEC: NA
4. Pre-construction Conference with all key Developer representatives and contractors, City representatives and Utility representatives: 7-10-17
5. Notice to Proceed: 7-14-17
6. Public Improvement Construction Completion: 8-1-19
7. "As-Built" Drawings: 8-1-19
8. Final Conveyance, payments, certificate of release, etc.: 8-1-19
9. Final Acceptance: anticipated to be 8-1-19

A detailed construction schedule will be provided prior to the Notice to Proceed, reviewed monthly and updated as required.

APPENDIX 'D'

TRAFFIC CONTROL PLAN

A traffic plan is not required; signs will be posted on Peridot to notify Peridot traffic of truck crossing.

APPENDIX 'E'

STORM WATER PERMIT

A storm water permit is not required. Please see storm runoff and ditch retention analysis for the Peridot Business Park

ANALYSIS OF DITCH RETENTION OF STORM RUNOFF FOR THE PROPOSED PERIDOT BUSINESS PARK

This document presents the results of an evaluation of the adequacy of planned roadside ditches for the proposed Peridot Business Park for the detention of stormwater runoff with eventual absorption of the runoff into the ditch soils.

The proposed residential development is located within a portion of the N1/2 of the SW 1/4 of Section 4, T.2 S., R.2E., F.M., AK. The master plan consists of 16 lots typically about 1.3 acres in size. This master plan will be developed in two separate portions. The southern portion will be 10 lots in 3 phases south of Quinnell Lane. Later the portion north of Quinnell Lane will be developed. Two new roads are planned for this development each 800' in length intersecting with Peridot Street (See Figure 1) The typical road section will include flat bottom ditches on both sides of the street, with a typical bottom width of seven feet.

This evaluation computed the likely volume of runoff that would flow into the roadside ditches during a storm having a ten-year return interval. This volume was compared to the expected rate of absorption of the runoff by the soils in the ditch bottoms to determine if ditches would be of adequate size to accommodate the runoff.

The ten-year rainfall intensity used in the analysis was time-dependent, decreasing with exponentially with time according the following relationship:

$$i = \frac{3+4.7\log(n)}{t_c^{0.6}}$$

where:

- i = rainfall intensity in inches per hour,
- n = the storm return interval in years (10 years), and
- t_c = the time of rainfall concentration in minutes

An average runoff coefficient, representing the proportion of total rainfall that reaches the ditches was selected as being 0.35, considered as typical for a subdivision expected to be a mixture of residential and light commercial one-acre lots.

The absorption of the runoff by the soils in the ditches was selected at a rate of 12 minutes per inch of absorption, considered as typical for silty soils.

On this basis, the rate of soil absorption in the Prosperity Court ditches was determined to be approximately equal to or greater than the rate of rainfall runoff to the ditches after about 65 minutes of concentrated rainfall of a ten year storm (See Figure 2). This corresponds to a maximum depth of accumulated runoff in the ditches of about 0.67 feet. Similarly, the rate of soil absorption in the ditches of the planned future street was determined to be about equal to or greater than the rate of rainfall runoff into the future ditches after about 40 minutes of the rainfall of a ten year storm. This corresponds to a maximum depth of accumulated runoff in the ditches of about 0.39 feet. Accordingly, the proposed ditches of the roadways within both the initially planned development and the future addition are considered to be sufficient for adequate drainage of the subdivision.

The above conclusion is based on the roadway ditches being constructed to a uniform bottom elevation and on culvert pipes being installed in the ditches at all driveway crossings to permit equalization of flow in the ditches. Further, some disruption in optimal drainage conditions may be experienced during spring thawing periods while the soils in the ditches are frozen and thus relatively impermeable.

Paula Hicks, EIT



James H. Wellman
April 7, 2017

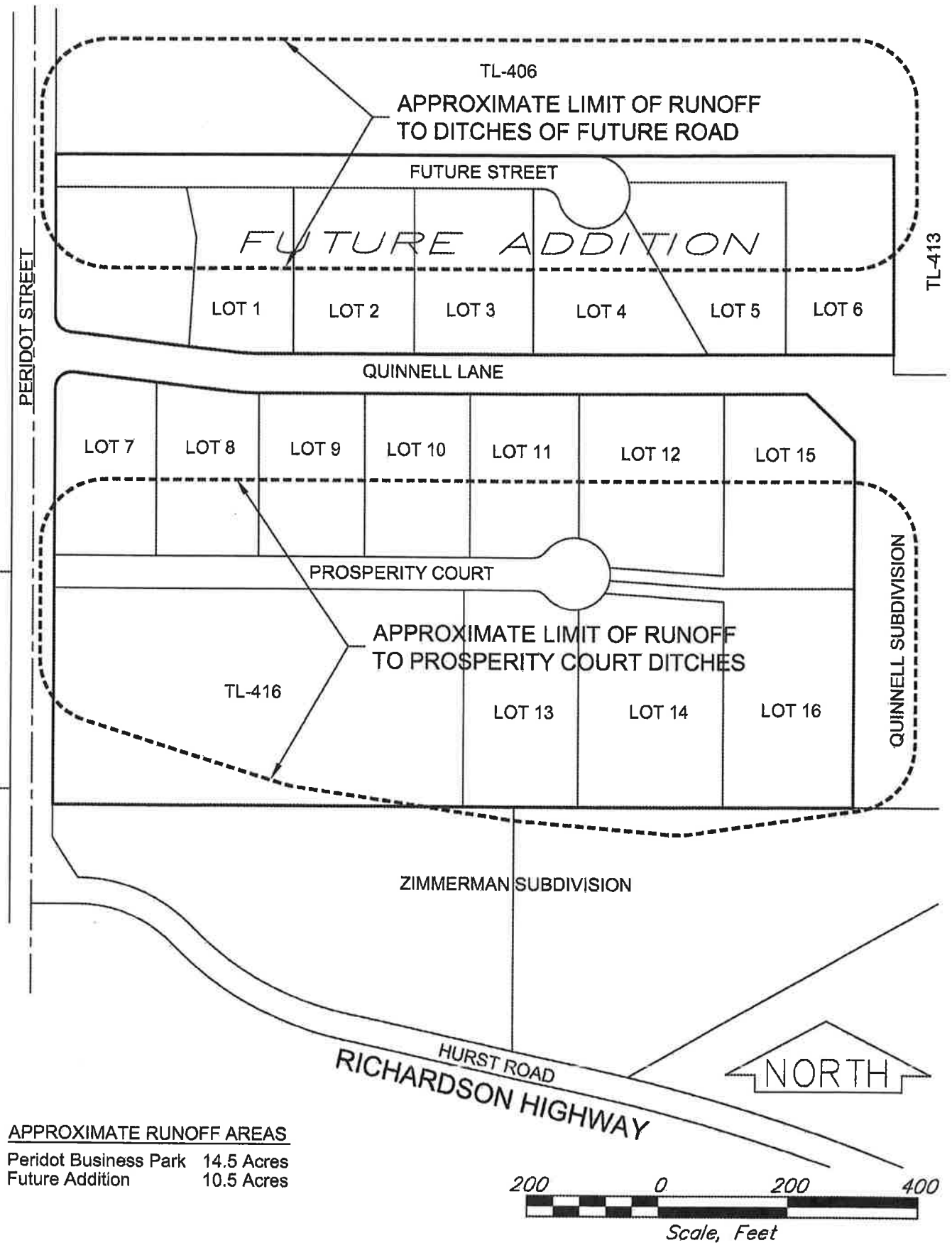
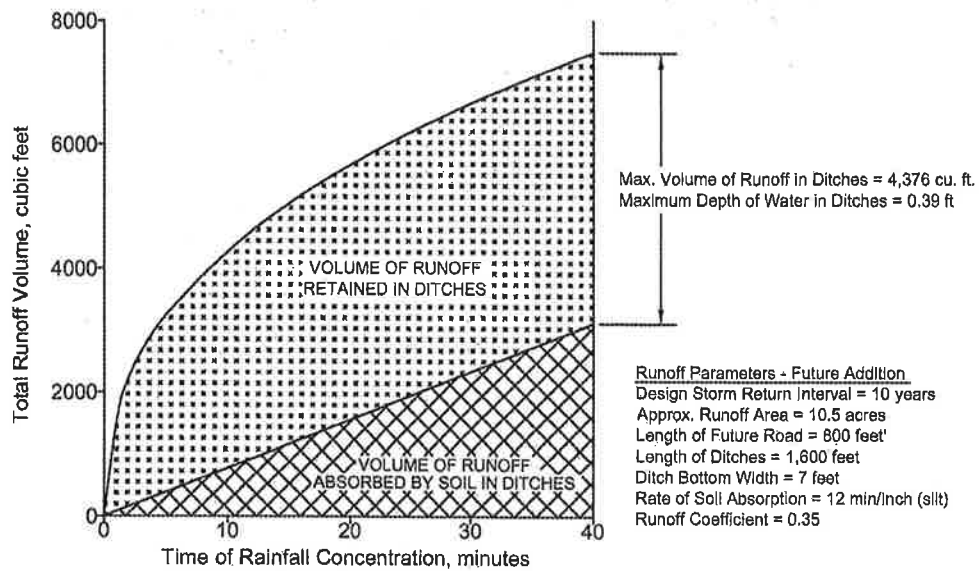
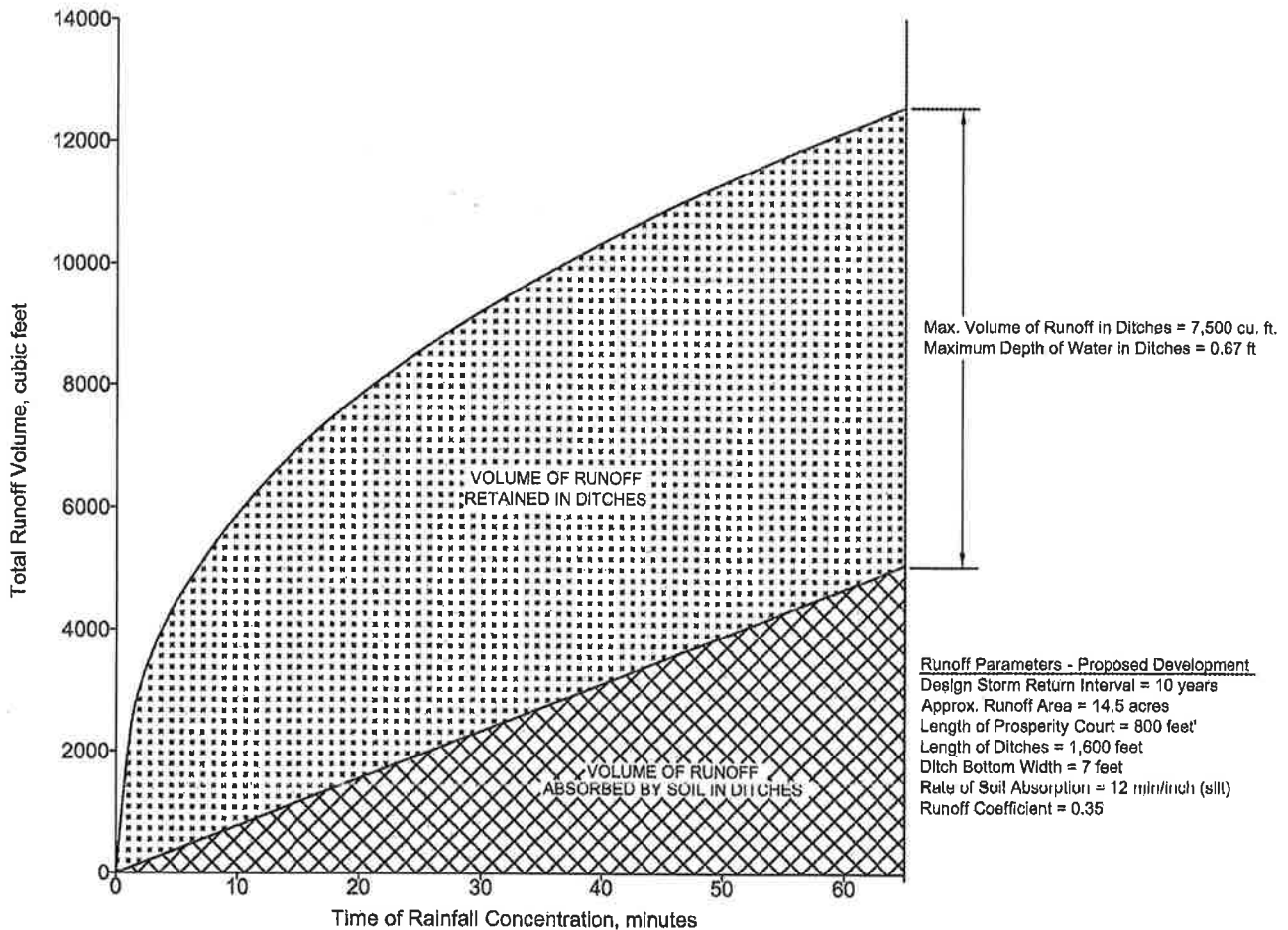


FIGURE 1
APPROXIMATE STORMWATER RUNOFF AREAS
PROPOSED PERIDOT BUSINESS PARK

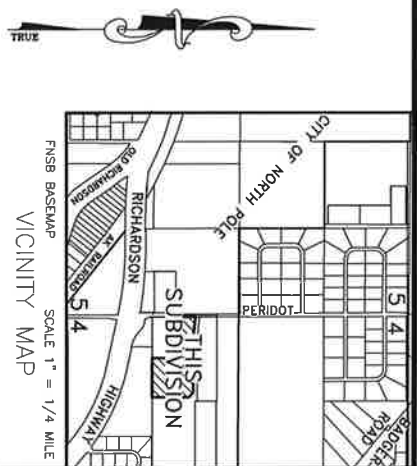


FUTURE ADDITION



PROPOSED DEVELOPMENT

FIGURE 2
ANALYSIS OF DITCH DETENTION OF STORM RUNOFF
PROPOSED PERIDOT BUSINESS PARK



Peridot Business Park_P.dwg



R&M ENGINEERING CONSULTANTS

510 FOURTH STREET • FAIRBANKS AK 99701

PHONE: (907)452-1655

EMAIL: rmengr@mosquitonet.com

May 9, 2017

VIA EMAIL

buzz@buzzotis.com

Mr. Howard A. Otis
Badger Properties, LLC
P.O. Box 73659
Fairbanks, Alaska 99707

Re: Proposed Peridot Business Park Subdivision
Quinnell Subdivision, First Addition, North Pole, Alaska

Dear Buzz:

It is my understanding that you are requesting local government approval of your proposed replatting of a portion of Quinnell Subdivision within the City of North Pole, to be known as Peridot Business Park Subdivision. A portion of the new subdivision is to be dedicated as right-of-way for a new street, Prosperity Court, being approximately 800 feet in length, serving ten commercial lots, and ending in a cul-de-sac.

You asked for my engineering opinion with regard to the adequacy of a chip seal pavement surface for the planned new street. It is expected that the new street would carry moderate traffic, primarily consisting of light commercial vehicles, into and out of the subdivision. It is my opinion that the chip seal pavement surface would provide adequate service in this application, with relatively low requirements for maintenance of the roadway surface. This opinion is based in part upon the performance of Peridot Street, which is similarly surfaced and has been subjected to high levels of heavy truck traffic for many years, largely due to the operation of the HC Construction gravel pit, located immediately north of the planned subdivision.

My opinion as to the adequacy of a chip seal pavement surface for the new street is also based on my observations as a civil engineer and resident in the Fairbanks area for nearly fifty years. Over this period I have observed the performance of chip seal pavements under a wide range of traffic and soils conditions. In my experience, providing a stable base with adequate drainage is more influential on future requirements for roadway maintenance than the type of pavement surfacing.

Sincerely,



James H. Wellman

Design Guidelines for Streets and Drainage

City of North Pole

125 Snowman Lane

North Pole, AK 99705

Tel.: 907-488-2281; Fax: 907-488-3002

Part 1. General

1.1 Intent. It is the intent of these guidelines to insure that newly constructed streets in subdivisions within the City of North Pole be built to a standard that will maintain or enhance property values within the neighborhood, and built of such material and in such a way that the City will be able to maintain them with the resources available to it.

The requirements for streets constructed within the City of North Pole are more stringent than for those within the Borough at large or two major reasons. First, the City aspires to eventual paving of all streets in its neighborhoods. Thus, the initial street installation should be a first step toward this goal. Second, City streets are maintained by the City while the Borough roads are maintained at the expense of individuals living in a particular Service Area. Thus, a poorly constructed street in the City will sooner or later be a direct financial liability for all citizens of the City.

These guidelines were drafted to aid in meeting the requirements of the City. No single document can possibly present guidelines for all situations that will be encountered. The City shall have ultimate authority to interpret this document, and may direct modifications for specific situations. Any proposed alternative materials and methods must be approved in writing by the City prior to installation. Substantial variations from these guidelines must be approved by the City Council. Special warranties may be required.

1.2 Procedure. The design of all streets and associated drainage systems which are to become public streets in the City of North Pole (except for State of Alaska highways) shall be submitted to and approved by the City before construction. The design shall be in accordance with these guidelines and with all applicable codes and ordinances. Where requirements differ, the most stringent shall be met.

The Borough requires that Developers furnish preliminary and final plats to the City (and other agencies) for comment before submitting them for Borough review and approval. In order to foster cooperation and to minimize subsequent delays, an informal conference should be arranged between the City and the Developer as early as possible. This will enable the City to answer questions as to the extent to which existing and proposed City facilities may affect the planned development, as well as questions regarding procedural requirements.

The City will then review the plans and specifications for each preliminary plat for compliance with these guidelines and will work with the Developer to correct any deficiencies prior to formal submittal to the Borough. The plans and specifications shall be developed under the supervision of a civil engineer licensed and in good standing with the State of Alaska and shall be sealed thereby.

Once the Developer has submitted an acceptable development package, the City will write a letter of non-objection to the Developer for submittal to the Borough.

1.3 Standards of Construction. The Developer shall incorporate in the plans and specifications all the details of construction necessary to obtain a well constructed, easily maintainable road and drainage system.

As-built plans and specifications shall be stamped by a professional civil engineer or registered land surveyor and shall be submitted to the City within one week of the completion of construction. The engineer or surveyor shall certify that the as-builts are an accurate depiction of what actually exists.

Part 2: Streets

2.1 Intent. The City's goal is to provide good, maintainable streets for the use of its residents. Thus, developers are encouraged to provide paved streets, curb and gutters, and a storm drain system for their subdivisions. The design of the street and drainage system shall be coordinated with all utility system designs to avoid conflicts.

The layout of street patterns should provide adequate and convenient access to all lots within a subdivision. Through traffic should be discouraged in residential subdivisions, but attention must be given to alternative access routes for emergency vehicles. Particular attention should be focused on Fairbanks North Star Borough, Title 17, and *A Policy on Geometric Design of Highways and Streets* by the American Association of State Highway and Transportation Officials. Street layout must consider placement of utilities to keep them inside or adjacent to the right-of-way (rather than along back or side lot line easements) to facilitate maintenance.

2.2 Types of Streets: Title 17 identifies and defines eight road classifications, with minimum standards established for each. The City will approve or direct the classification of proposed roads within the development, based on the following definitions:

Local Road: Local roads provide access to adjacent residential lots. Any road which does not fall into one of the other categories will be designated a local road.

Minor Collector: Minor collectors join one or more local roads to the surrounding road system and may provide access to adjacent lots as well. As a rule, any road or section of road which handles the traffic from more than fifty (50) residential lots itself, or serving one or more local roads with a cumulative total of more than fifty lots, will be designated as a minor collector or better. Any road serving commercial or industrial lots will be designated as a minor collector or better.

Major Collector: Major collectors will be designated by joint agreement between the Developer, the City and the State of Alaska DOT&PF.

Arterial: Arterials will be designated by joint agreement between the Developer, the City and the State of Alaska DOT&PF.

Frontage Road: Frontage roads provide access to lots that otherwise would be landlocked by a limited access arterial or major collector. Frontage road design will require close cooperation between the Developer, the City and the State of Alaska DOT.

Alley: Alleys provide secondary access to back or side lot lines of lots and may be a convenient route for utilities. Under no circumstances may an alley provide the sole access to a lot.

No pioneer access roads will be approved within the City.

2.3 Required Widths: Street widths required within the City are generally greater than those required by the Borough. The following are minimum widths for new developments:

Classification	Minimum Traveled Way	Minimum Shoulder Each Side	Minimum Right-of-Way
Local Road	22 ft.	4 ft.	60 ft.
Minor Collector	24 ft.	4 ft.	80 ft.
Major Collector	24 ft.	6 ft.	100 ft.
Arterial	24 ft.	8 ft.	100 ft.
Frontage Road	24 ft.	8 ft.	80 ft.
Alley	20 ft.	N/A	30 ft.

These are minimum widths. Traffic volumes, heavy turning movements, on-street parking requirements, presence of utilities and other factors may dictate greater widths. Minimum design speed shall be 30 mph for local roads, 40 for minor collectors and determined by the City and DOT/PF for others.

If curb, gutter, and storm drain are constructed, the minimum width of right-of-way may be reduced to fifty (50) feet for local roads and seventy (70) feet for minor collectors.

2.4 Alignment: Acceptable alignments will be based on the design speeds approved by the City for each road to be developed. Deflection angles greater than two degrees (2°) in the alignment of roads require connecting curves. Curves shall be engineered with a radius and super-elevation meeting AASHTO Guidelines.

The intersection of streets shall be as nearly at right angles as possible but not less than seventy-five degrees (75°) without approval of the City. In residential areas, three-way intersections are preferred to four-way intersections for safety. Four-way intersections should be at least two hundred feet (200') apart, when measured centerline to centerline. This distance to a three-way intersection may be reduced to one hundred feet (100'). Intersections should be designed with a

minimum corner radius of fifteen feet (15') on local roads and designed for a WB-50 semi-tractor trailer on all others. Corner lots shall have an appropriate radius corner at the intersection to maintain sufficient right-of-way width to allow for ditches around the turn radius.

Centerline of the constructed street shall be centered in the right-of-way.

2.5 Grades: Maximum grades are as defined in Title 17. Changes in grade shall be connected with vertical curves meeting AASHTO standards for sight distance at the design speed.

2.6 Grading and Surfacing: Asphalt pavement shall be the required surface for all newly developed streets within the City. The following minimum depths of embankment and surfacing are required:

Classification	Minimum Gravel	Minimum Crushed Rock	Minimum Asphalt Pavement
Local Road	12 in.	4 in.	1.5 in.
Minor Collector	18 in.	4 in.	1.5 in.
Major Collector	24 in.	4 in.	2 in.
Arterial	24 in.	4 in.	2 in.
Frontage Road	18 in.	4 in.	2 in.
Alley	12 in.	Not Required	Not Required

If the Developer elects to pave alleys, minimum pavement thickness shall be 1.5 inch.

These are minimum thicknesses. When adverse subsurface conditions, high traffic volumes or heavy anticipated truck traffic warrant, the City will require a pavement design calculation. The design method and design data must be submitted and approved by the City. Special measures may be required at specific locations such as slough crossings. The minimum depths may be reduced by the City when warranted by soils borings.

Except in super-elevated areas, the paved street surface shall slope two percent (2%) from the center crown into a drainage system on either side.

2.7 Materials and Construction: Proposed roads shall be cleared and grubbed to the limits of construction. No waste or clearing debris shall be placed within the roadway, except that a small amount of waste with roots and stumps removed may be placed on slopes and seeded.

Once clearing and grubbing are complete, the underlying material shall be compacted to 85% of maximum density prior to placing gravel.

2.7.1 Gravel. Gravel used in the construction of streets shall meet the requirements of Title 17, and be compacted to 90% or more of maximum density. The City will require the use of a filter-

type geotechnical fabric where necessary to protect the gravel embankment from contamination by underlying silt, such as at old slough crossings.

2.7.2 Crushed Rock. Crushed rock over which pavement is to be placed shall be made of pit run gravel, with specified gradation, hardness and fracture requirements acceptable to the City.

Compaction of crushed rock shall be to 95% of maximum density.

2.7.3 Prime Coat. Prime coat of a suitable type, grade and application rate shall be applied to the crushed gravel before installation of asphalt pavement or surface treatment.

2.7.4 Asphalt Pavement. Asphalt pavement shall be plant mixed and placed with a laydown machine. Asphalt cement grade and content, and aggregate gradation, fracture and hardness, shall be clearly specified by the design engineer and approved by the City. Minimum compaction shall also be specified.

2.7.5 Quality Control. Construction quality control testing by an independent laboratory will be required at the Developer's expense to insure the specifications approved by the City are met. Type and frequency of such tests shall be spelled out in the specifications.

2.8 Traffic and Safety

2.8.1 Signing. Signing shall be in accordance with the *Manual of Uniform Traffic Devices with Alaska Supplement*. Minimum signing shall include intersection control, street names and speed regulation. Warning and informational signs shall be installed as warranted.

Sign post shall be 2 ½" x 2 ½ " perforated steel tubing, with embedded 3" x 3" sleeves, or an acceptable substitute.

2.8.2 Stripping. At a minimum, centerline striping will be required on all paved streets. Shoulder striping will be required on collectors, arterials and frontage roads, and strongly encouraged on local roads. Striping and other traffic markings shall be designed and installed in accordance with the *Manual of Uniform Traffic Devices with Alaska Supplement*.

2.8.3 Sight Distance. Sight distance on horizontal and vertical curves and at intersections shall meet AASHTO standards for the approved design speed. Where additional clearing is required to meet this requirement, the affected area shall be grubbed and seeded with grasses. Easements or additional right-of-way shall be dedicated as required for maintenance of sight distance.

2.9 Miscellaneous Features

2.9.1 Cable Crossing: All buried cable crossings shall be installed either by the affected utility or under its direct supervision. An easement shall be platted for each crossing within the proposed development.

2.9.2 Driveways. Maximum driveway widths shall be twenty feet (20') for single family residences, thirty feet (30') for multiple family residences and commercial, and forty feet (40') for large commercial. Additionally, no driveway entrance shall be closer than fifty feet (50') to a street intersection, measured from shoulder of driveway to shoulder of street. More than one driveway entrance to a lot or greater driveway width may only be allowed with written authorization from the City. Driveways need not be constructed at the time of street construction, but they must be designed to the extent of location, width, profile and culvert size and length.

Driveways connected to streets with ditches for drainage will usually require culverts. A swale system may eliminate the necessity for these culverts. The driveway going across the swale must be properly sloped to avoid "bottoming out" of vehicles. To achieve this, the algebraic sum of the road side slope and the adjacent driveway slope shall not be more than fourteen percent (14%). Thus, at driveways, the backslope would be cut down to a maximum of six percent if the slope of the swale adjacent to the road is the typical eight percent (six inches in six feet). In no case shall driveways impede the flow of a swale or ditch.

Driveways which provide access to a paved street shall themselves be paved for at least 12' from the edge of street pavement.

Part 3. Drainage

3.1 Scope. The City's fundamental concern is that snow melt and rain runoff is drained away from structures and building lots. Runoff shall be conveyed to the ultimate disposal point through storm drains, culverts or ditches, but not over streets, sidewalks, curbs, or other public improvements. If an existing public system is not available or is of insufficient capacity, on-site disposal or retention is required with easements for maintenance access. The design of the drainage system shall comply with all requirements of the City of North Pole NPDES permit for Storm Water Discharge from Small Municipal Separate Storm Sewer Systems. (MS4)

Ideally, curb and gutters will be provided by the developer to immediately enhance property values and to avoid future assessments. However, a well designed drainage system consisting of ditches and culverts, or a swale with associated drainage system is an acceptable substitute.

3.2. Design Criteria.

3.2.1 Recurrence Interval. The minimum acceptable drainage system design shall be based on the five year peak rainfall rate for one hour for North Pole. Where circumstances warrant, the City may designate a longer recurrence interval. The design shall be based on the area being fully developed.

The drainage system design shall identify an ultimate destination for surface runoff compatible with other existing and future development in the area, and one or more routes by which runoff could be carried to that destination. Existing and necessary future easements shall be identified. The City may, at its discretion, waive construction of a portion of the ultimate runoff system provided that the interim drainage pattern is compatible with the ultimate system. Suitable ultimate destinations might include live sloughs or streams, an existing ditch system (provided it

has sufficient capacity and an ultimate destination of its own) or an engineered disposal method. Existing drainage systems shall not be obstructed, and may only be used if they are shown by the Developer to have sufficient capacity for the additional flow.

3.2.2 Snowmelt. Snow removal, including runoff, must be proved for in the drainage design. Snow dump sites with suitable drainage are desirable within the development if existing City sites are not readily available or are not of sufficient size to accommodate the necessary quantity of snow. Ditches should be wide enough for temporary snow storage on arterials, frontage roads and major collectors, and wide enough for the annual snow accumulation on minor collectors and local roads.

3.3 Ditches and Culverts. The minimum slope for ditches and culverts shall be twenty-five hundredths of one percent (0.25%). Drainage for relatively flat areas shall be achieved through roller coasting the ditch line a minimum grade of twenty-five hundredths of one percent (0.25%) and draining the ditch laterally at the low points.

Culverts used shall be corrugated steel pipe, with minimum diameter of twelve inches (12") for driveway crossings and eighteen (18") for street crossings. Culverts shall be covered a minimum depth of twelve inches (12").

The in slope of ditches shall be three to one (horizontal to vertical) or flatter, with maximum one to one acceptable for the back slope of the ditch. Maximum depth of ditch is four feet (4') for industrial and commercial areas and three feet (3') for residential neighborhoods and public areas such as schools and playgrounds.

3.4 Swales. Properly designed swales may be used on the sides of streets for drainage. Swales have much less depth than ditches and may allow the elimination of culverts at driveways. Swales may also require more associated lateral drainage systems than ditches.

The slope of the swale shall correspond to the adjacent street with a minimum slope of four-tenths of one percent (0.4%). The bottom of the swale shall be at least six inches (6") below and six feet (6') away from the road surface shoulder. From its low point, the swale shall slope upward to adjacent property at a maximum steepness of one foot vertical for each four feet horizontal. Slope shall extend into adjacent property as necessary.

3.5 Curb and Gutter. A minimum 0.25% grade should be maintained on paved roads with curbs, gutters and storm drain systems. Where the gutter discharges of a side drain or at a curb return, shoulders and slopes shall be protected against erosion.

3.6 Erosion Control. Wherever culverts, ditches, gutters or storm drains discharge to the slopes of a new or existing street, slope protection shall be provided.

3.7 Miscellaneous Features.

3.7.1 Insulation. Insulation shall be required on storm drains and culverts at locations where their placement reduces the effective depth of burial of water and sewer lines below minimum

required depths (four feet for water and five feet for sewer), increasing the risk of freezing. Storm drains and catch basins within seven feet of sewer main, water mains, and services shall be covered with at least two inches of urethane insulation. Extruded polystyrene may be an acceptable insulation for specific situations if approved by the City. If the Storm drain is within twelve inches of services at least six inches of urethane shall separate them.

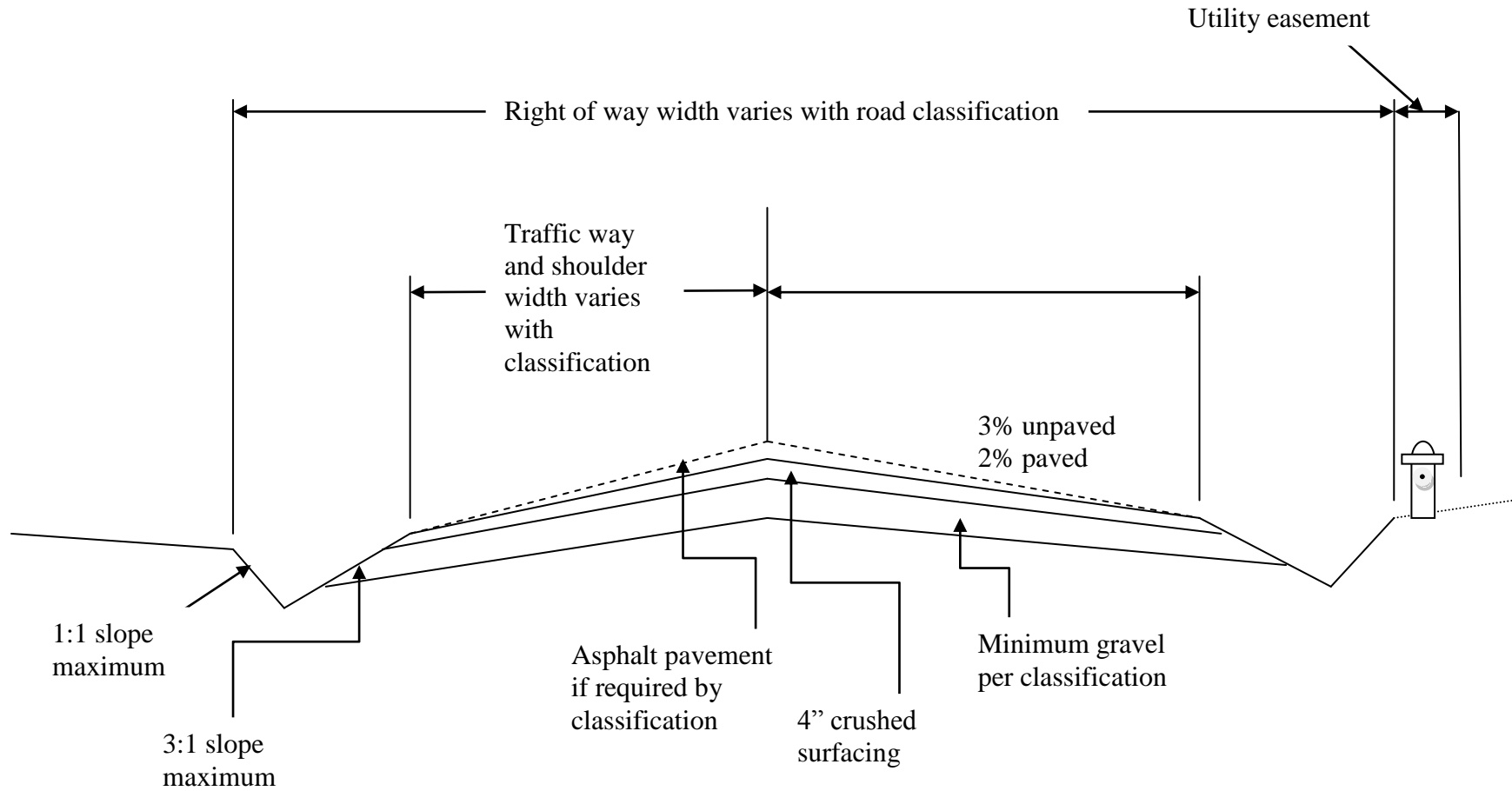
Proposed ditch crossings of existing and proposed water and sewer mains and services shall be checked for minimum burial depths, and insulated if necessary.

Part 4. Attachments

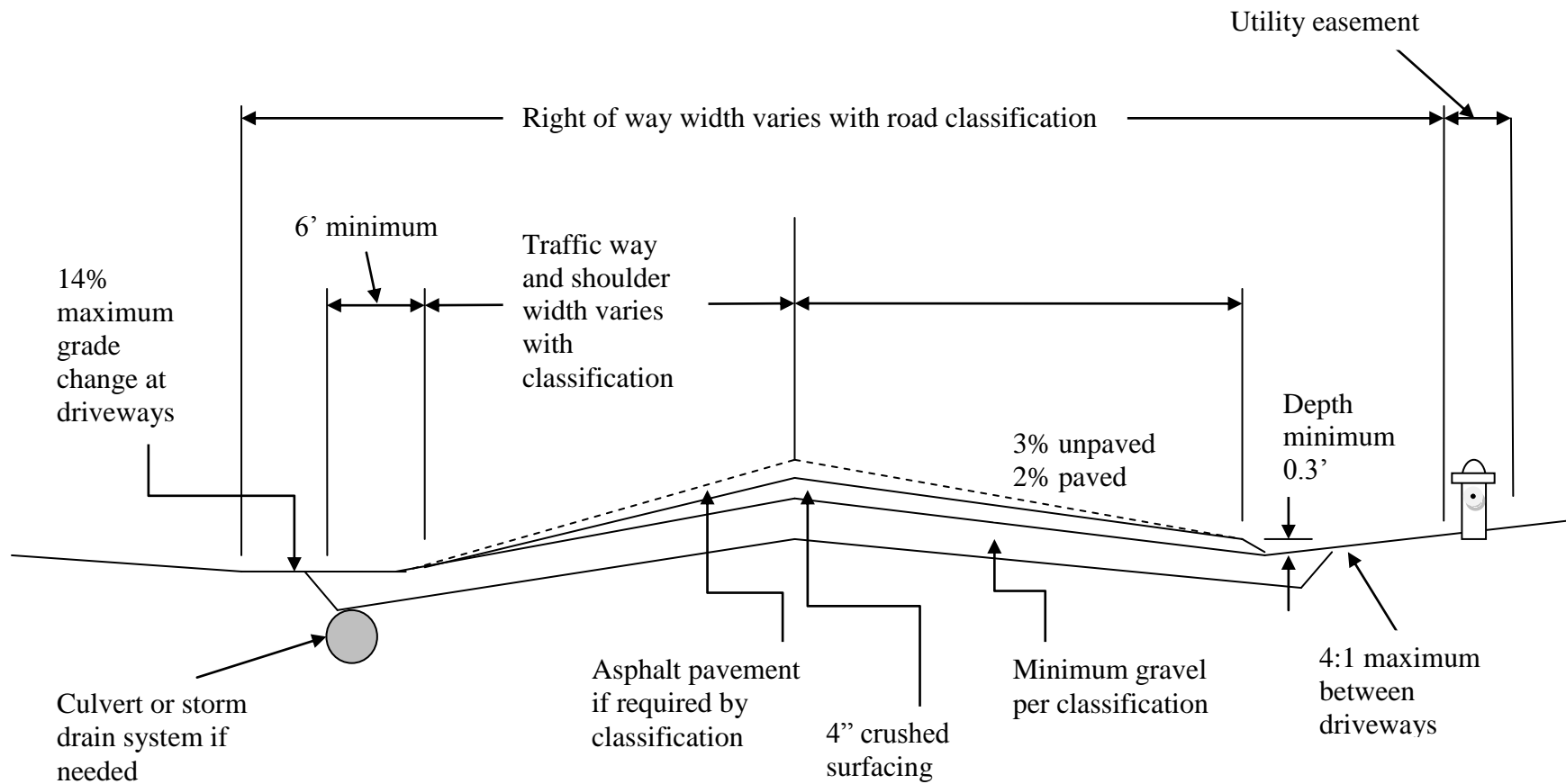
4.1 TYPICAL STREET SECTION.

4.2 TYPICAL STREET SECTION WITH SWALE ALTERNATIVE

4.1 Typical Street Section, City of North Pole Alaska

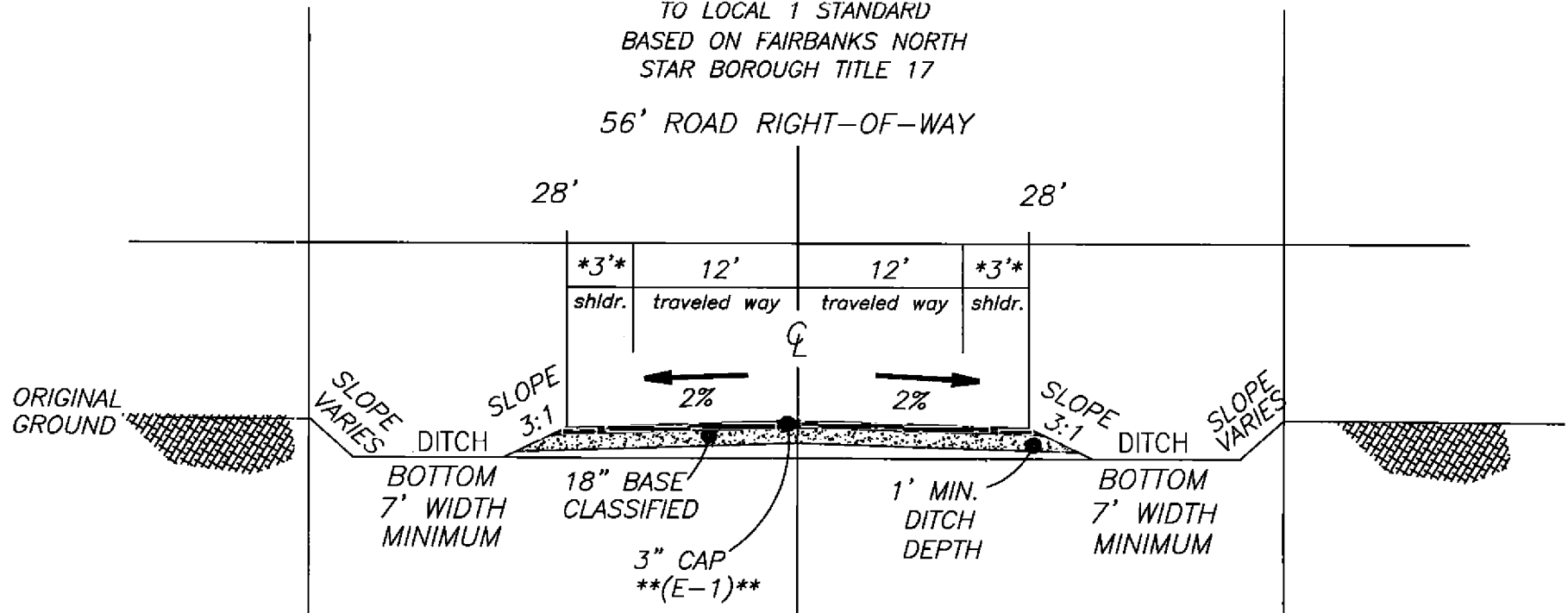


4.2 Typical Street Section with Swale Alternative



ALL ROADS TO BE CONSTRUCTED
TO LOCAL 1 STANDARD
BASED ON FAIRBANKS NORTH
STAR BOROUGH TITLE 17

56' ROAD RIGHT-OF-WAY



TYPICAL ROAD SECTION

NO SCALE

*MAY BE REPLACED BY 4 3/4" CRUSHED ROCK AS A CAP ON THE SHOULDER
IF REQUIRED BY CITY OF NORTH POLE*

**MAY BE REPLACED BY 4" CRUSHED ROCK COVERED WITH 3/4" CHIP AND SEAL
IF REQUIRED BY CITY OF NORTH POLE**

PERIDOT BUSINESS PARK



May 10, 2017

FIRM: City of Fairbanks				PROJECT TITLE: Peridot Business Park - New Road Construction									
TASK NO:		TASK DESCRIPTION: Plan Review & Field Inspections									DATE: 5/10/2017		
GROUP:		METHOD OF PAYMENT: FP <input type="checkbox"/> FPPE <input type="checkbox"/> T&E <input checked="" type="checkbox"/> CPFF <input type="checkbox"/>					PREPARED BY: Jackson Fox, City Engineer						
SUB-TASK NO.		SUB-TASK DESCRIPTION		LABOR HOURS PER JOB CLASSIFICATION									
		Senior Engineer	Staff Engineer										
1	Plan Review	4	12										
2	Field Inspections	8	88										
TOTAL LABOR HOURS		12	100	0	0	0	0	0	0	0	0	0	
* LABOR RATES (\$/HR)		\$135.29	\$118.74										
LABOR COSTS (\$)		\$1,623.50	\$11,874.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
EXPENSES													
SUB-TASK NO.	ITEM(S)			QUANTITY	UNIT PRICE	TOTAL PRICE		COMMENTS:					
2a	MAPPA - lab work for density & material testing			1	\$5,000.00	\$5,000.00							
						\$0.00							
						\$0.00							
						\$0.00							
						\$0.00							
						\$0.00							
						\$0.00		FIRM'S TOTAL COST OF LABOR (or Fixed Price):					\$13,497
						\$0.00		IF CPFF, TOTAL INDIRECT COST @					\$0
				TOTAL EXPENSES:		\$5,000		FIRM'S TOTAL EXPENSES					\$5,000
SUB-CONTRACTORS: Firm Initials and Price Per Task							FIRM'S TOTAL COST (no Subcontracts or Fee)					\$18,497	
FIRM:								TOTAL SUBCONTRACTOR PRICES:					\$0
AMOUNT:													

Task 1



North Pole Fire Department

125 Snowman Lane - North Pole, Alaska 99705

Phone: 907.488.2232 Fax: 907.488.3747

Memo

To: North Pole City Council
From: Geoffrey L. Coon
Date: 5/09/17
Re: Disposal of Fire Department Training Trailer

Summary:

The North Pole Fire Department would like Council approval of the disposal of the Mobile Home Trailer adjacent to the Fire Department.

The Department has secured an agreement with L & L services to remove the old mobile home trailer next to the Fire Department for the Fee of \$500.00. This fee will be paid for out of the existing FD building maintenance budget.

The actual age of the trailer is unknown. It was not new when it was moved on site in the eighties. Best guess puts the trailer at 40-50 years old. It was used to house volunteers in the past but has been uninhabitable for the last 12 years. The reason the trailer was abandoned as a livable structure were:

1. Multiple water breaks.
2. Extreme age of the structure.
3. Multiple repairs to the appliances.
4. Escalating cost to operate and maintain.

Since 2005, the structure has been used for fire training. The department has used the trailer for performing searches, rescues, and advancing charged hose lines into the structure. The training has resulted in holes in both the ceiling and walls. All interior doors and one exterior door has sustained significant damage. The department is working with utilities this year to dig up the water service so that a breakage does not occur this winter. It has been determined that the trailer is an eyesore and has no further value.

With all this in mind I am seeking council approval to dispose of the FD training trailer.

Geoffrey L. Coon

Fire Chief





125 Snowman Lane
North Pole, AK 99705
P: 907-488-8583
F: 907-488-3002
C: 907-388-2728
Email: Kathy.Weber@northpolealaska.org

**City of North Pole
Office of the City Clerk/HR Mgr**

Memo

To: NP City Council
From: Kathy Weber
CC: Mayor Ward
Date: 5/10/2017
Re: Annual Renewal of the City of North Pole Healthcare Plan

The City of North Pole's annual renewal of the healthcare plan has been sent to us for review. It is very good news for the City as there has only been a 1.3% overall increase to our plan. All items in the plan would stay the same as they were last year and there would be no increase to employee contributions.



CITY OF NORTH POLE 2017 RENEWAL MEETING

**125 Snowman Lane
North Pole, AK 99705**

May 7, 2017

Presented by:
Craig Kestran
Employee Benefits Manager

Diana Stewart, RHU, CEBS
Sr. Employee Benefits Account Manager



City of North Pole

Agenda

Section I.	General Overview
Section II.	Current Trends in Healthcare
Section III.	Legislative Update
Section IV.	Summary of Current Programs
Section V.	Renewal Presentation
Section VI.	Reports & Exhibits

City of North Pole Attendees:	Insurance Brokers of Alaska Attendees:
Bryce Ward	Craig Kestran
Kathy Weber	Diana Stewart

Individual	Functional Position
Craig Kestran 907-365-5106 ckestran@insurancebrokersak.com	Employee Benefits Manager: Responsible for managing all strategic aspects of client relationship, including planning, plan design, financial evaluation, claims analysis, insurer negotiations and compliance.
Diana Stewart, RHU, CEBS 907-365-5154 djstewart@onedigital.com	Employee Benefits Supervisor: Responsible for analyzing carrier proposals, assisting with the preparation of financial evaluations (renewals) and daily service/policy issues and plan execution.

I. General Overview

Our Commitment to Service

We appreciate the opportunity to work with City of North Pole, and help you meet your insurance and employee benefits objectives. In order to adapt to the changing needs of your organization, Insurance Brokers of Alaska & One Digital has invested in top-notch talent and leading-edge technology. We take nothing for granted, and will always work in the best interest of City of North Pole.

Thank you for your business. We look forward to nurturing an ongoing relationship that brings you the best solutions in the business. We will continue to build our relationship through hard work, creativity, and assertiveness that effectively meets the needs of your business.

Insurance Brokers of Alaska Account Service Team

All Insurance Brokers of Alaska clients are assigned to a team of specialists who are dedicated to providing a wealth of resources to serve their needs. Our professionals pride themselves on excellent service, and are dedicated to using their experience and expertise to meet our clients' benefits objectives. Your account team's goal is to help City of North Pole save money through proper implementation and management of your benefits programs, and they are committed to anticipating and fulfilling your needs and concerns.

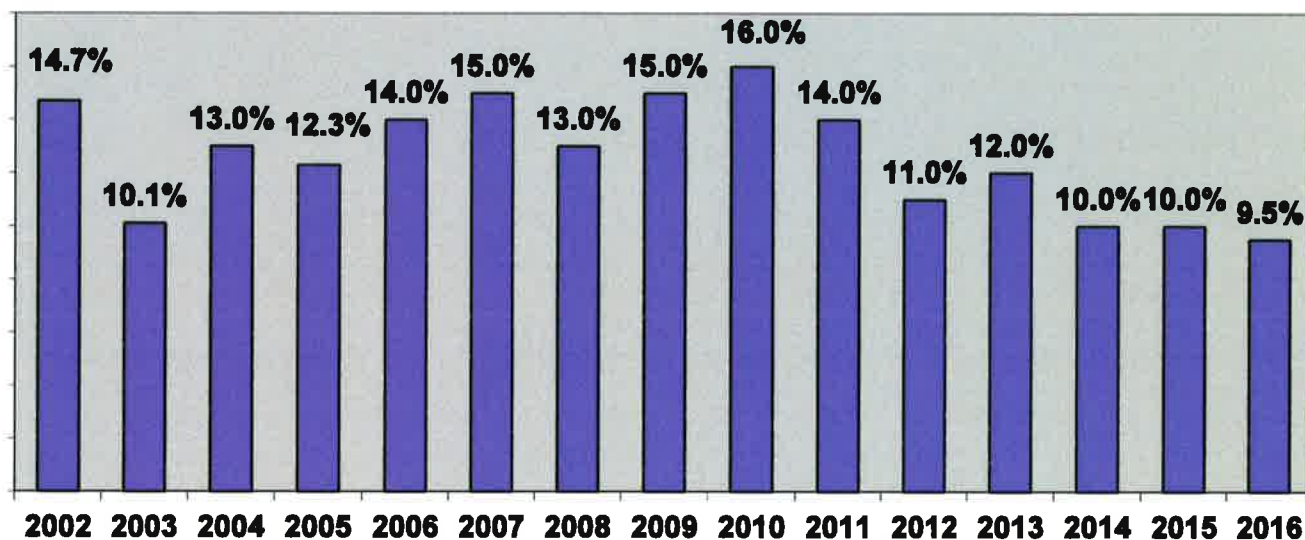
In addition to our own talented professionals and specialized value-added services, Insurance Brokers of Alaska has a wealth of resources available to us through our national affiliation with One Digital. The resources available to us through these affiliations let us gain access to regional expertise and market clout.

Final accountability for your programs is the responsibility of Craig Kestran, your lead Advisor. While a number of our professional staff will be active with your account, either on a day-to-day or project-specific basis, Craig is ultimately responsible for meeting your expectations.

II. Current Trends in Healthcare

2017-2018 Trends

Health Care costs remain high, rising well above the national CPI each year. Increases have been in the double digits now for over 14 consecutive years. This year has seen a slight reduction, but with the rising cost of prescriptions as well as the uncertainty with regards to health care reform trends will be on the rise again soon



Cost Drivers:

- Health Care Reform
- Increased incidence of chronic diseases – due to increase in age of the overall population and in part due to unhealthy lifestyle choices.
- Specialty Drugs are creating double digit increases in pharmacy spend as more new drugs receive FDA approval.
- Increase use of technology to treat illnesses.
- Inefficient care – only 55% of all patients receive care in accordance with Best Practices.
- Defensive medicine – additional tests and procedures ordered as precautions.
- Addition of new provider locations and local clinics.

Cost Saving Considerations:

- Cost shifting:
 - Increase employee contributions
 - Tiered employee contributions – charging employees a percentage of pay, charging employees whose dependents have access to other insurance more than those that do not
 - Offer “Wellness Rebates to offset employee contribution increases
- Change plan designs – especially increasing the prescription drug co-payments to keep pace with prescription drug cost increases.
 - Although minimum changes can be made within a Grandfathered plan, major changes to benefits will cause the loss of Grandfather Status and an overall increase in plan costs.
- Focus on Employee Communications – as the need to implement more drastic cost savings increases, it is critical to engage employees. Comprehensive communications are needed to build awareness of the actual cost of their care, to arm them with decision making tools to help them to be more involved in the course of their medical treatment to improve outcomes, (which reduce cost) and to educate them on the connection between health, prevention, the quality of life and cost.

Other Trends:

Comprehensive Wellness Programs:

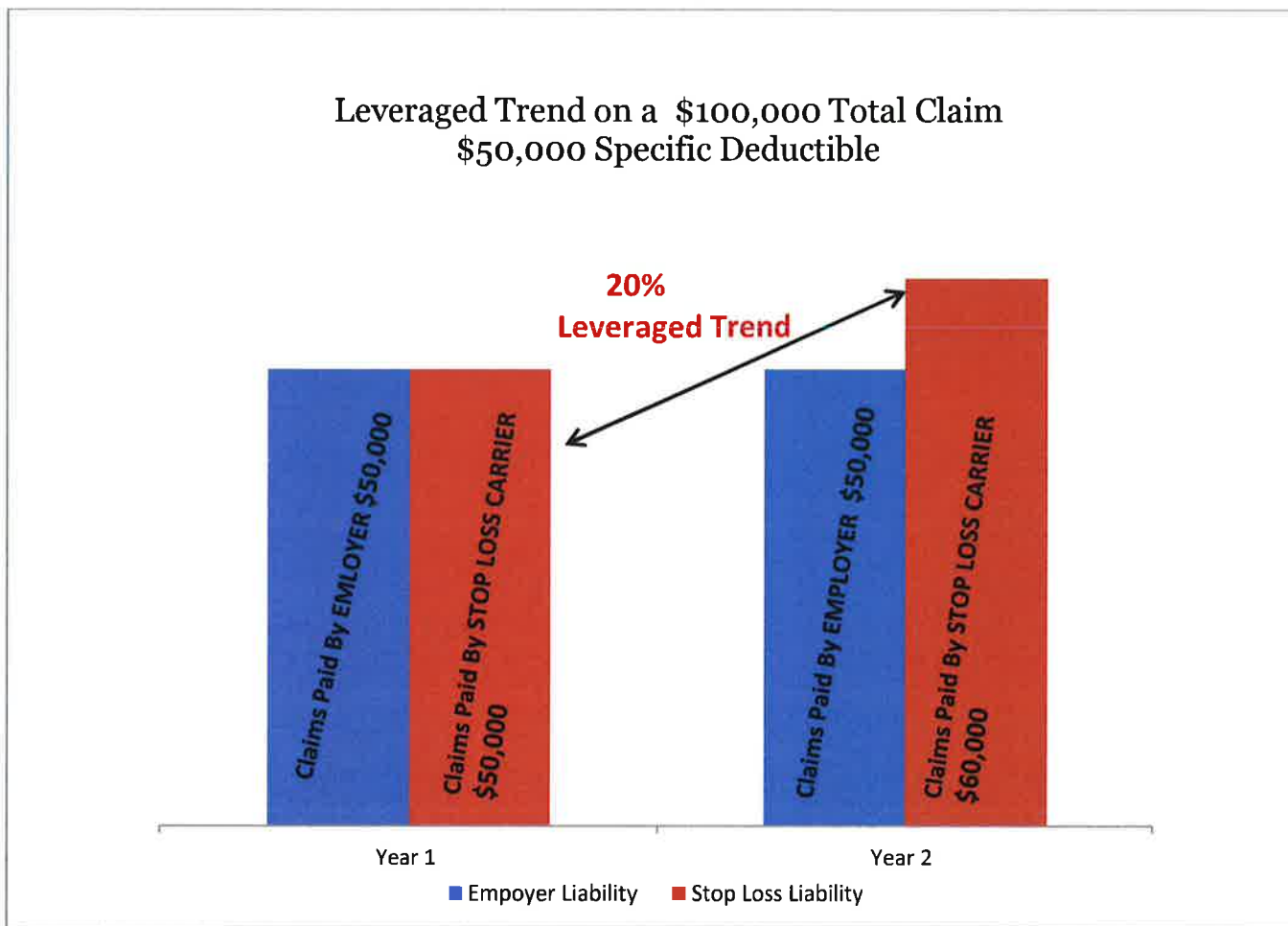
- Employer-paid smoking cessation classes
- Smoker/Non-smoker employee medical contributions
- Wellness “rebates” based on participation in an established wellness program
- Third party health advocate to assist employees in managing chronic health conditions
- Incentives for health risk assessments to assist employees in maintaining or improving health conditions year over year

Stop Loss and Leveraged Trend:

As plans budget for the next fiscal year, medical cost inflation is undoubtedly a critical element of the planning process. New medical Technologies, rising provider charges, and pharmaceutical costs continue to cause health coverage expenses and premium to rise faster than general inflation. Medical inflation along with deductible erosion are the two factors that create leveraged trend, and unfortunately, medical stop loss insurance is not immune to these forces.

HOW DOES LEVERAGED TREND AFFECT STOP LOSS RATES?

The Self-funded plan in this example has a \$50,000 specific stop loss deductible. In year 1, an employee has \$100,000 in claims. The first \$50,000 of the claims are paid through the self-funded plan. The remaining \$50,000 is reimbursed by the medical stop loss policy. Assuming the medical trend in year 2 is 10%, the employee's claims would increase to \$110,000. At the same specific deductible, the self-funded plan pays the First \$50,000 of the claims and the medical stop loss policy reimburses the remaining \$60,000 in claims – a 20% leveraged trend increase from the preceding year. This increase may result in higher premium.



Consumer-Directed Health Plans (CHDs):

CHDs represent a philosophical shift from the traditional managed care programs to one that gives employees greater financial decision-making power. The premise is that making employees more accountable for their healthcare expenses, they will make more informed decisions and reduced healthcare utilization.

Because the employee's expenses under this plan are significantly higher than under most traditional plans, adding a Flexible Spending Account (FSA) or other reimbursement account, such as a Health Savings Account (HSA) or Health Reimbursement Account (HRA) is critical. Below is a brief description of these plans:

	HSA	HRA	FSA
Name of Account	Health Savings Account	Health Reimbursement Account	Flexible Spending Account
Who owns the Account?	Individual/Employee	Employer	Individual/Employee
Who may fund the account?	Employer or employee, can be both in the same year Employee can contribute pre-tax dollars through Section 125 plan	Employer Self-employed individuals, including partners, and more than 2% shareholders in a subchapter S-corporation cannot contribute	Employer/employee Typically the employee contributes pre-tax dollars through Section 125 plan
What plans may be offered with the tax-advantage account?	An HDHP as follows: <u>Min. Deductible</u> \$1,300 / \$2,600 F <u>OPM</u> \$6,650 / \$13,100 F	Any health plan	Any or no health plan

Each of these additional programs can be implemented for both fully insured and self-funded plans.

III. Legislative Update

PPACA – Taxes and Fees

PICORI Fee: Fully Insured & Self-Funded Plans. The Fee is based on the average covered lives (including dependents) during the plan year. The fee changes on October 2 each year. The fee is based on covered lives, including dependents. The first year the fee was \$1 and the second year was \$2 it will continue to grow from there. **The Fee due July 1, 2017 is \$2.17 per life for a total of will be \$163.48.**

Reinsurance Fee: Fully Insured & Self-Funded Plans. The Reinsurance fee applies to plan years beginning 2014 through 2016. This fee has now completed its legislated term.

Health Insurance Transition Fee: Fully Insured Plans Only. This fee continues on an annual basis, increasing annually from a base of 2% to 2.5% of Premium beginning in 2014. Congress provided a 1 year relieve on this tax to carriers for the 2016 plan year to be paid in 2017.

Employer Shared Responsibility Reporting – Forms 1094 & 1095 B&C

Employer reporting under Internal Revenue Code Sections 6055 and 6056 began in January 2016 based on 2015 plan enrollment. The Affordable Care Act requires ALE's (Applicable large employers, generally those with 50 or more FTE's), all self-funded plans and health coverage providers (carriers) to report information about the health coverage they offered or provided during the year to covered employees (full and part-time employees), beginning for coverage offered or provided in 2015.

The IRS will use this information to administer the employer shared responsibility provisions and the premium tax credit. ALE's must provide employees a statement (1095) that includes the same information provided to the IRS.

Cadillac Tax: Remains in limbo, currently postponed to 2020, is a 40% excise tax on health plans with values exceeding a specific threshold. The thresholds are \$10,200 for individual or \$27,500 for family coverage (indexed to inflation). The excise tax will be assessed on the amount that exceeds the threshold, not the whole value of coverage. **2017-2018 Maximum Costs for the City are approximately \$11,35.20/ Employee Only & \$28,040.28/ Family.**

The Cadillac Tax on High Cost Coverage does not kick in until 2020 but employers are anticipating its impact now. All employer-sponsored health care plans are potentially subject to this excise tax; there is no exception. Employers do have the flexibility to adjust benefits anywhere between now and 2020 to get the cost below the threshold and avoid the excise tax (though waiting may be inadvisable).

Congress continues to target this section of the ACA for repeal as the new administration moves forward.

ALASKA VACCINE ASSESSMENT PLAN (AVAP):

The Alaska Legislature has passed an act that will affect every insured and self-insured group health plan in Alaska. In summary, under the AVAP, the State of Alaska will purchase certain vaccines in bulk and distribute them to medical providers for administration. Under this program the health care provider may not charge the patient for the vaccine but may make a charge for the administration of the vaccine.

However since the AVAP requires the patient to incur a doctor's visit to obtain the vaccine, this act will increase costs to plans.

The AVAP establishes a commission under HSS of 8 members including:

- HSS's chief medical officer for public health or their designee
- 2 licensed health care providers, one of which must be a pediatrician
- 3 members representing licensed health care insurers
- 1 representative of a tribal or public health insurance plan
- The Director of the Department of Insurance or their designee

This commission will be responsible for determining the cost and therefore the assessment to be made each year for each vaccine included under the program. They will also be responsible for collecting data from assessable entities (group health plans) which among other things will be used to collect the assessments (money to pay for the vaccines and the administration of the program) and monitor compliance.

The rates for 2017 under the AVAP to be paid quarterly are:

- \$6.85 per child (participant under 19 years of age)
- \$0.98 per adult (participant 19 years of age or older)

2017 Estimated Vaccine Tax for the City of North Pole Is \$3,432.

IV. Summary of Current Programs

	Carrier	Renewal Date
Health	Self-Funded - AW Rehn	7/1/17
Dental	Self-Funded – AW Rehn	7/1/17
COBRA	AW Rehn	7/1/17
FSA	Eflex Group	1/1/17
Life/AD&D	Lincoln Financial	7/1/17
Short Term Disability	Lincoln Financial	7/1/17
Group Voluntary Life /AD&D	Lincoln Financial	7/1/17

Note: Detailed plan information is located in the **Reports & Exhibits** section of this report.

Plan: Life & AD&D

Carrier: Lincoln Financial

Renewal Date: 7/1/17

		Benefit
Life	Class I – Full Time Employees	\$50,000
AD&D	Class I – Full Time Employees	\$50,000

Plan: Voluntary Life & AD&D

Life	All Employees working 30+ hrs	5 x annual salary to a maximum of \$500,000 Guaranteed Issue \$100,000
AD&D	All Employees working 30+ hrs	5 x annual salary to a maximum of \$500,000 Guaranteed Issue \$100,000

Plan: Voluntary Short Term Disability

STD	All Employees working 30+ hrs	60% of weekly earning to a maximum benefit of \$500 per week for 52 weeks
-----	-------------------------------	---

Summary of Medical, Dental and Vision Benefits

Plan: Medical

TPA: AW Rehn

Renewal Date: 7/1/17

Benefit	In-Network	Out-of-Network
Deductible	\$375 / \$1,125	\$375 / \$1,125
Out-of-Pocket (Incl. Ded.)	\$4225 / \$12,675	\$4,225 / \$12,675
Lifetime Maximum	Unlimited	Unlimited
Coinsurance	80%	80% Providers 60% Hospital
Preventative Services	100%	100%
Physician Office Visit	80%	80%
Retail Prescriptions Retail	\$10 / \$28/ \$50 /\$50	Member pays 100% at the time of purchase then reimbursed 50% after the applicable co-pay
Mail Order	\$20 / \$50/ \$100	
Urgent Care	80%	80%
Emergency Room	80%	80%
Ambulance	90%	90%
Office Surgery	80%	80%
Outpatient Hospital Serv. <ul style="list-style-type: none"> Outpatient Surgery Anesthesia Requires Pre-Certification Lab & X-Ray based on Facility Network status 	90%	90% Providers 60% Hospital
Inpatient Hospital Serv. <ul style="list-style-type: none"> Anesthesia Requires Pre-Certification Lab & X-Ray based on Facility Network status 	90%	90% Providers 60% Hospital
Outpatient Lab & X-ray	80%	80%
Outpatient Advanced Radiology <ul style="list-style-type: none"> MRI, MRA,PET, CT-Scan & Nuclear Medicine 	80%	80% 60% In patient

Durable Medical Equip.	80%	80%
Skilled Nursing Facility • 100 visits PCY	80%	80%
Hospice Care	80%	80%
Home Health Care • 100 visits PCY	80%	80%
Organ Transplant	90%	Not Covered

Plan: Dental

Benefit	In or Out of Network
Deductible	\$50 / \$150
Waived For Preventive	YES
Type A Expenses	100%
Type B Expenses	80%
Type C Expenses	50%
Calendar Year Max	\$1,000

Plan: Vision

Benefit	In or Out of Network
Deductible	None
Eye Exams	Plan pays 100% up to \$60
Lenses, Contacts and Frames	Plan pays 100% up to \$120
Benefit Period	24 months

V. Renewal Presentation

Life & AD&D

Each year Lincoln reviews;

- Plan Features
- Demographics
- Nature of the Business
- Experience
- Any adjustments needed to the underlying rate structure

Based on this review Lincoln Financial has reviewed the current rate structure and determined that a small increase is needed in the Life and Short Term Disability rates charged to your group.

These rates will be guaranteed for 2 year to 7/1/2019.

Coverage	Rate Base	Current rate	Current Monthly Premium	Renewal Rate	Renewal Monthly Premium	Renewal Monthly Premium Change
Life	Per \$1,000	\$ 0.121	\$ 248.05	\$ 0.133	\$ 272.65	\$ 24.60
AD&D	Per \$1,000	\$ 0.045	\$ 92.25	\$ 0.045	\$ 92.25	\$ 0.00
Short Term Disability	Per \$10 of weekly benefit	\$ 0.352	\$ 698.44	\$ 0.39	\$ 773.84	\$ 75.40
Totals			\$ 1,038.74		\$1,138.74	\$ 100.00

This is the first rate increase for life & disability since July 2012.

Pages 19-24 show the Year to Date experience for the Plan. The Population has increased slightly this year, however claims are running very well with an Expected Loss Ratio of 83% and a Maximum Loss Ratio of 71% after 9 months of experience.

Page 25 The Projections report reflects claims over the past 24 months. We use this to determine the rate of increase in claims year over year. We compare this to the claim factors presented by the Stop Loss Carrier to determine if the rates they are setting are reflective of the group's actual experience.

Page 26 shows the plans Large Claims Experience and loss ratios in relationship to the Specific Deductible and Large Claims activity. Since leaving CIGNA and moving to HCC life in July 2013 the Average Stop Loss Ratio of claims to premium has been a very favorable 13%.

MEDICAL PLAN RENEWAL: Pages 27-29

FIXED COSTS:

Administration: AW Rehn contracted a 2 year rate guarantee in July 2016, holding their rate at \$23.62 PEPM until 7/1/2018.

Bridge Health: Has increased their monthly admin fee again this year from \$1.50 PEPM to \$2.50 PEPM. The basis for the increase in improved employee communication which we are pleased to see is increasing utilization of the Bridgehealth program.

Utilization Review: Medical Rehabilitation Consultants is proposing no increase for the 2017-2018 plan year.

Consulting Fees: One Digital has also contracted for a 2 year rate guarantee from July 2016 through June 2018 at an annual fee of \$19,920.

PPACA Fees: are also included in the renewal line items on page 21. The PPACA taxes projected for 2016 when broken down to a per employee fee have dropped from \$4.75 for 2016/2017 to \$0.19 PEPM for 2017/2018, this amount includes only the PCORI Fee of \$2.17 per participant per year payable in July 2017.

Alaska Vaccine Fees: in the renewal line items, the Alaska State Legislature passed this new tax in July 2014 and began collecting the tax in February 2015. This will be collected quarterly and is estimated to be \$3,432 annually or \$7.15 PEPM.

Individual Stop Loss Premium: HCC Life has reviewed the plans experience over the last 21 months and has determined that claims have increased only slightly in the last 24 months. Currently there is one participant who has recently exceed the Specific Stop Loss Deductible of \$40,000

The plan is utilizing an Aggregating Specific Policy which reduces the annual premium by \$15,000. If no claims exceed the Specific Deductible the plan saves \$15,000 in premium. If claims exceed the Specific Deductible then the plan pays the \$15,000 premium savings in claims before the Individual Stop Loss kicks in. As you can see in

the Large Claims Report, on page 26 this claim has exceeded the stop loss by only \$2,626 as of the end of March.

Due to the overall stabilization in claims, the decrease in the number of Stop Loss Claims this year along with general medical inflation, HCC has offered to renew the Stop Loss Policy with an overall increase of 5.4%. This is an increase of \$1,163.94 per month or \$13,967.28 annually. This increase is well below a leveraged trend of 20%.

Aggregate Stop Loss Premium: HCC did not increase its aggregate premium last year, and originally requested an 11.3% increase for this renewal. We negotiated that down to a 5% increase. With this the Aggregate premium will increase from \$18.81 PEPM to \$19.75 PEPM, an increase of \$39.50 per month or \$474.01 annually.

These combined changes create an overall increase in fixed costs of 4% resulting in a monthly increase of \$1,029 and an annual increase of \$12,354.

Claim Factors: Although the overall volume of claims has increased only slightly in this past year HCC initially requested an increase in the Medical & Rx claim factors of 8.9%. This would have increased the plans Maximum Claims Liability by \$58,981.

The maximum claim factor is set 25% above expected claims. With the Maximum claims at \$718,666, the expected claims for the plan year would be \$574,933.

Based on claims utilization over the past 24 months we were able to show the stop loss carrier that their claims factor was too high and no increase was needed to the claims factors this year. After reviewing our data they agreed and we were able to negotiate no increase in the claim factor, saving a potential budget increase of \$58,981.

When the claim factors are combined with the Fixed Costs the overall increase to the plan is 1.3% resulting in an annual increase of \$12,354 at Maximum Cost or Expected cost. The total amount of the increase is in the fixed cost portion of the rates.

Claims are currently running at 83% of expected for the 2016-2017 plan year which is much more favorable than the 103% of expected loss ratio at this same time last year.

History of claims: The number of large claims which has been a driving factor in costs over the last few years is declining. Currently 1 claim has exceeded the Specific Deductible this year compared to 3 in 2015-2016 and 4 in 2014-2015.

Page 30 shows the plans overall loss ratios from July 2005 through the current year to date.

**Claims
Above
\$50,000**

	Employer Size	Industry	State
Percentage that have a Claim	70%	78%	71%
Average Number of Claims	2	3.2	4.3
Average Specific Reimbursement	\$64,324	\$74,976	\$64,695

Plan Changes: No plan changes were made during the 2016-2017 renewal.

Employee Contributions: remain at the rates set in July 2015.

Contribution Tiers	Employee Contribution
Employee Only	\$45
Dependents	\$175
Family	\$220

Plan Recommendations:

Unless you have been experiencing service issues that we are unaware of, based on the favorable renewal negotiations we recommend:

- Renew with AW Rehn for TPA services with no increase
- Continue the Bridgehealth Surgical Benefit
- Renew with MRC for Utilization Review Services with no increase
- Renew Consulting Services with One Digital with no increase
- Renew Stop Loss coverage with HCC Life utilizing the \$40,000 Specific Deductible currently in place

The Maximum overall plan increase is 1.3%

Alternative Options:

Recent legislative activity to Repeal & Replace the Affordable Care Act has not yet resulted in any changes. ACA is still the law of the land. The alternative plan changes show below would create a loss of the **Grandfather Status** of your plan and open your plan up to all the ACA required coverages.

- Cost of employee only contributions can be increased to 9.5% of the lowest wage earners salary. (\$35,000 per year, 9.5% = \$3,325/yr or \$277.08 per month.

With the loss of Grandfather Status You would need to modify the plan to provide all of the required PPACA Changes.

Preventative Care
Essential Health Benefits
Clinical Trials

Women's Health Care
External Independent Claims Review

The increased cost in claims expected the first year is 6% which can be easily offset by plan changes that are not allowed under a Grandfathered Plan design.

Reduce the In-patient coinsurance level to 80% in network
Lowering the Out of Network Coinsurance to 60%
Adding copays for inpatient hospital or ER visits.
Adding an Ambulance Copay

Each of these items increase the employee cost of the plan without having a direct first dollar impact on all employees. Only employees using these services would pay the additional fees.

We have also provided a comparison of several other Self-Funded plans and the AETNA Political Subdivision rates for the last several years on **pages 31-43**.

The AETNA Poli Sub plans are all Non Grandfathered plans. They have discontinued their low deductible plan and only offer 3 plans as of July 1 2017.

VI - Exhibits

Page 20-24: 2016-2017 Monthly Experience Report

Page 25:- Renewal Projection

Page 26: Large Claims Report

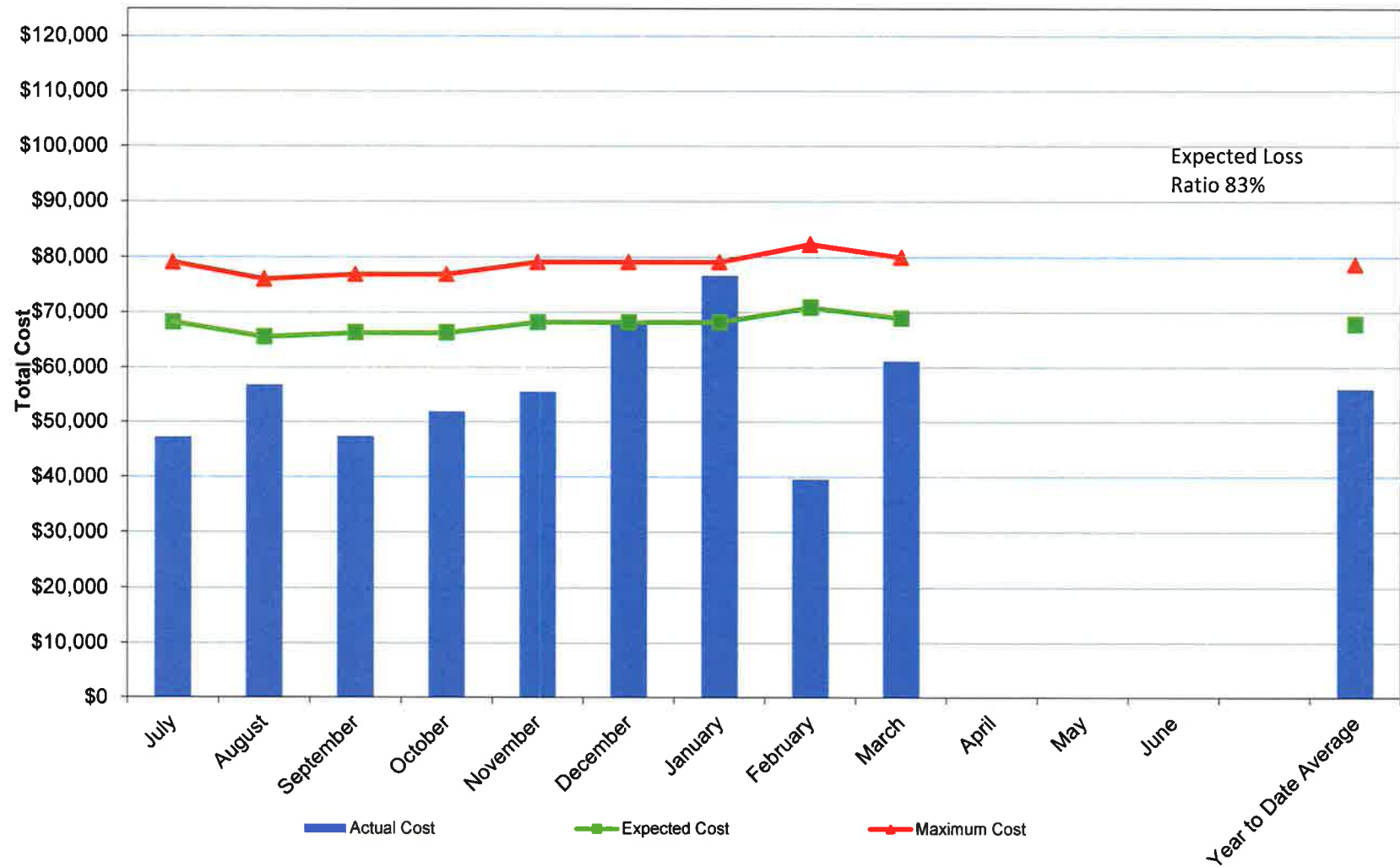
- **2013-20175 HCC Life**

Page 27-29: Summary of Renewal

Page 30: Annual Loss Ratio Study

Pages 31-43: Comparison of other Alaska Benefit Plans

**City of North Pole
Group Health Plan
July 1, 2016 to June 30, 2017**



**CITY OF NORTH POLE
GROUP HEALTH PLAN
ELIGIBILITY REPORT**

PLAN YEAR: JULY 1, 2016 THROUGH JUNE 30, 2017

**PPACA
covered lives**

<u>Month</u>	<u>Single Employees</u>	<u>Employees with Dependents</u>	<u>Total Employees</u>	<u>Total Covered lives</u>
July	11	30	41	114
August	10	29	39	113
September	11	29	40	114
October	11	29	40	115
November	11	30	41	118
December	11	30	41	118
January	11	30	41	118
February	12	31	43	125
March	12	30	42	121
April				
May				
June				
Total	100	268	368	1056

**CITY OF NORTH POLE
GROUP HEALTH PLAN
AVERAGE COST PER EMPLOYEE
PLAN YEAR: JULY 1, 2016 THROUGH JUNE 30, 2017
Claims in excess of the Specific Stop Loss of \$40,000 EXCLUDED**

Month	Med / Vis Claims	Rx Claims	Dental Claims	Total Claims	Stop-Loss Premium	Admin & U/R	Actual Cost	Eligible Employees	Avg Cost Per EE
July	\$13,090	\$6,879	\$2,496	\$22,464	\$21,917	\$2,816	\$47,197	41	1151.14
August	\$23,323	\$5,165	\$4,506	\$32,995	\$21,026	\$2,760	\$56,780	39	1455.91
September	\$18,761	\$2,508	\$1,993	\$23,263	\$21,279	\$2,788	\$47,330	40	1183.25
October	\$24,393	\$584	\$2,878	\$27,854	\$21,279	\$2,788	\$51,921	40	1298.03
November	\$19,722	\$9,754	\$1,311	\$30,788	\$21,917	\$2,816	\$55,521	41	1354.17
December	\$35,933	\$3,765	\$3,640	\$43,337	\$21,917	\$2,816	\$68,070	41	1660.25
January	\$39,359	\$7,113	\$5,467	\$51,939	\$21,917	\$2,816	\$76,672	41	1870.06
February	\$8,217	\$3,011	\$2,699	\$13,927	\$22,808	\$2,873	\$39,608	43	921.11
March	\$25,578	\$6,012	\$4,535	\$36,126	\$22,170	\$2,844	\$61,141	42	1455.73
April									
May									
June									
Total	\$208,377	\$44,791	\$29,525	\$282,693	\$196,229	\$25,318	\$504,240	368	1370.22

**CITY OF NORTH POLE
GROUP HEALTH PLAN
ACTUAL COST COMPARED TO EXPECTED COST
PLAN YEAR: JULY 1, 2016 THROUGH JUNE 30, 2017
Claims in excess of the Specific Stop Loss of \$40,000 EXCLUDED**

Month	Total Claims	Stop-Loss Premium	Admin & U/R	Actual Cost	Expected Claims	Expected Cost	Loss Ratio	Amounts Over \$40,000
July	\$22,464	\$21,917	\$2,816	\$47,197	\$43,504	\$68,237	69%	\$0
August	\$32,995	\$21,026	\$2,760	\$56,780	\$41,754	\$65,539	87%	\$0
September	\$23,263	\$21,279	\$2,788	\$47,330	\$42,228	\$66,295	71%	\$0
October	\$27,854	\$21,279	\$2,788	\$51,921	\$42,228	\$66,295	78%	\$0
November	\$30,788	\$21,917	\$2,816	\$55,521	\$43,504	\$68,237	81%	\$0
December	\$43,337	\$21,917	\$2,816	\$68,070	\$43,504	\$68,237	100%	\$0
January	\$51,939	\$21,917	\$2,816	\$76,672	\$43,504	\$68,237	112%	\$0
February	\$13,927	\$22,808	\$2,873	\$39,608	\$45,255	\$70,936	56%	\$0
March	\$36,126	\$22,170	\$2,844	\$61,141	\$43,979	\$68,994	89%	\$2,626.15
April								
May								
June								
Total	\$282,693	\$196,229	\$25,318	\$504,240	\$389,462	\$611,009	83%	\$2,626

**CITY OF NORTH POLE
GROUP HEALTH PLAN
ACTUAL COST COMPARED TO MAXIMUM COST
PLAN YEAR: JULY 1, 2016 THROUGH JUNE 30, 2017
Claims in excess of the Specific Stop Loss of \$40,000 EXCLUDED**

Month	Total Paid Health Claims	Stop-Loss	Admin & U/R	Actual Cost	Maximum Claims	Maximum Cost	SURPLUS (deficit)	Ratio	Amounts Over \$40,000
July	\$22,464	\$21,917	\$2,816	\$47,197	\$54,381	\$79,113	\$31,917	60%	\$0
August	\$32,995	\$21,026	\$2,760	\$56,780	\$52,192	\$75,977	\$19,197	75%	\$0
September	\$23,263	\$21,279	\$2,788	\$47,330	\$52,785	\$76,853	\$29,523	62%	\$0
October	\$27,854	\$21,279	\$2,788	\$51,921	\$52,785	\$76,853	\$24,931	68%	\$0
November	\$30,788	\$21,917	\$2,816	\$55,521	\$54,381	\$79,113	\$23,593	70%	\$0
December	\$43,337	\$21,917	\$2,816	\$68,070	\$54,381	\$79,113	\$11,043	86%	\$0
January	\$51,939	\$21,917	\$2,816	\$76,672	\$54,381	\$79,113	\$2,441	97%	\$0
February	\$13,927	\$22,808	\$2,873	\$39,608	\$56,569	\$82,249	\$42,642	48%	\$0
March	\$36,126	\$22,170	\$2,844	\$61,141	\$54,974	\$79,989	\$18,848	76%	\$2,626
April									
May									
June									
Total	\$282,693	\$196,229	\$25,318	\$504,240	\$486,828	\$708,374	\$204,134	71%	\$2,626

**AUIB Renewal Projection for:
CITY OF NORTH POLE
Effective July 1, 2017**

Latest 12 Months April 16 - March 17				Latest 12 Months April 15 - March 16			
<u>Months</u>	<u>Employees</u>	<u>Med/Rx/Vis</u>	<u>Dental</u>	<u>Employees</u>	<u>Med/Rx/Vis</u>	<u>Dental</u>	
April	40	55934	2358	40	12624	5059	
May	39	37295	2873	40	25122	1521	
June	39	36431	2192	40	8052	4306	
July	41	19969	2496	40	23242	2713	
August	39	28488	4506	40	21958	1286	
September	40	21269	1993	40	24641	2888	
October	40	24977	2878	40	30190	1385	
November	41	29476	1311	39	36867	6198	
December	41	39698	3640	38	63346	2439	
January	41	46472	5467	40	30111	4144	
February	43	11228	2699	41	40562	3103	
March	42	31590	4,535	41	55975	5,601	
Total	486	382,827	36,948	479	372,690	40,643	
Monthly Average	41	31,902	3,079	40	31,058	3,387	

	<u>Med/Rx/Vis</u>	<u>Dental</u>
Ave. Claims Per EE Per Month	787.71	76.02
Weighted Average (Med & Rx)	787.71 (.75) + 778.06 (.25)	
Trend 10% Annually over 14 mos	x 1.116	
Exp. Clm. Factor (Med & Rx)	876.39	
Weighted Average (Dental)	76.02 (.75) + 84.85 (.25) =	
Trend 6% Annually over 14 mos	x 1.07	
Exp. Clm. Factor (Dental)	83.71	

	<u>Med/Rx/Vis</u>	<u>Dental</u>
Expected Claims	778.06	84.85
Projection for 2016 - 2017		
		<u>Projected</u>
Medical & Rx		876.39
Dental		83.71
Total		876.39
Maximum Claims (125% of Exp.)	Medical & Rx	1095.49
	Dental	83.71
	Total	1,095.49

City of North Pole Large Claims Report

Plan Year	SL Claims	Specific SL Limit	Claims in Excess of SL	Stop Loss Premium	Loss Ratio	Agg Specific	Employer Claim Cost	Premium Savings	Loss Ratio
2013-2014	1	\$35,000	\$6,148	\$217,173	3%	\$15,000	\$15,000	\$8,852	100%
2014-2015	4	\$35,000	\$52,269	\$214,236	24%	\$15,000	\$15,000	\$0	100%
2015-2016	3	\$35,000	\$56,000	\$240,148	23%	\$15,000	\$15,000	\$0	100%
2016-2017 YTD	1	\$40,000	\$2,626	\$196,229	1%	\$15,000	\$15,000	\$12,374	100%
Totals	9		\$117,043	\$867,786	13%	\$60,000	\$60,000	\$21,226	35%

**City of North Pole
2017-2018 Renewal**

		HCC Life	HCC Life		HCC Life	
Aggregating Secific \$15,000		\$40,000 Specific	\$40,000 Spec		\$40,000 Spec	
		2016-2017 Agg Specific	2017-2018 Original Quote	Chg	2017-2018 Revised Quote	Chg
Total Monthly Admin Fee		\$ 3,423.00	\$ 3,249.05	-5.1%	\$ 3,249.05	-5.1%
Specific Premium						
Employee Only	12	\$ 234.74	\$ 240.16	2.3%	\$ 240.16	2.3%
Family	30	\$ 618.78	\$ 655.41	5.9%	\$ 655.41	5.9%
Specific Premium		\$ 21,380.28	\$ 22,544.22	5.4%	\$ 22,544.22	5.4%
Aggregate Premium						
Employee Only	42	\$ 18.81	\$ 20.94	11.3%	\$ 19.75	5.0%
Aggregate Premium		\$ 790.02	\$ 879.48	11.3%	\$ 829.52	5.0%
Total Monthly Fixed Costs		\$ 25,593.30	\$ 26,672.75	4.2%	\$ 26,622.79	4.0%
Maximum Monthly Claims Cost		\$ 54,973.80	\$ 59,888.88	8.9%	\$ 54,973.80	0.0%
TOTAL MONTHLY Maximum Cost		\$ 80,567.10	\$ 86,561.63	7.4%	\$ 81,596.59	1.3%
TOTAL ANNUAL Maximum Cost		\$ 966,805.20	\$ 1,038,739.56		\$ 979,159.09	
TOTAL MONTHLY Expected Cost		\$ 69,572.34	\$ 74,583.85	7.2%	\$ 70,601.83	1.5%
TOTAL ANNUAL Expected Cost		\$ 834,868.08	\$ 895,006.25		\$ 847,221.97	

Total Increase (Maximum Cost)

\$ 71,934.36

\$ 12,353.89

**City of North Pole
2017-2018 Renewal**

		HCC Life	HCC Life		HCC Life	
Aggregating Secific \$15,000		\$40,000 Specific	\$40,000 Spec		\$40,000 Spec	
		2016-2017 Agg Specific	2017-2018 Original Quote	Chg	2017-2018 Revised Quote	Chg
Administrative Fee						
AW Rehn	42	\$ 23.20	\$ 23.62	1.8%	\$ 23.62	1.8%
Bridge Health		\$ 1.50	\$ 2.50		\$ 2.50	
MRC	42	\$ 2.90	\$ 2.90		\$ 2.90	
AUIB PPO	42	\$ 2.00	\$ 2.00		\$ 2.00	
AUIB (\$1660/mo 7/1/16)	42	\$ 41.50	\$ 41.50	0.0%	\$ 41.50	0.0%
ACA PCORI Fee	42	\$ 4.75	\$ 0.19		\$ 0.19	
AK Vacine	42	\$ 7.15	\$ 7.15		\$ 7.15	
Total Monthly Admin Fee		\$ 3,423.00	\$ 3,249.05	-5.1%	\$ 3,249.05	-5.1%
Specific Premium						
Employee Only	12	\$ 234.74	\$ 240.16	2.3%	\$ 240.16	2.3%
Family	30	\$ 618.78	\$ 655.41	5.9%	\$ 655.41	5.9%
Total Monthly Stop Loss Premium		\$ 21,380.28	\$ 22,544.22	5.4%	\$ 22,544.22	5.4%
Aggregate Premium						
Employee Only	42	\$ 18.81	\$ 20.94	11.3%	\$ 19.75	5.0%
Total Monthly Aggregate Premium		\$ 790.02	\$ 879.48	11.3%	\$ 829.52	5.0%
Total Monthly Fixed Costs		\$ 25,593.30	\$ 26,672.75	4.2%	\$ 26,622.79	4.0%
Total Annual Fixed Costs		\$ 307,119.60	\$ 320,073.00		\$ 319,473.49	

**City of North Pole
2017-2018 Renewal**

		HCC Life	HCC Life		HCC Life	
Aggregating Secific \$15,000		\$40,000 Specific	\$40,000 Spec		\$40,000 Spec	
		2016-2017 Agg Specific	2017-2018 Original Quote	Chg	2017-2018 Revised Quote	Chg
Claim Factors						
Employee Only	12	\$ 593.30	\$ 654.29	10.3%	\$ 593.30	0.0%
Family	30	\$ 1,595.14	\$ 1,734.58	8.7%	\$ 1,595.14	0.0%
Maximum Monthly Claims Cost		\$ 54,973.80	\$ 59,888.88	8.9%	\$ 54,973.80	0.0%
		\$ 659,685.60	\$ 718,666.56		\$ 659,685.60	
TOTAL MONTHLY Maximum Cost		\$ 80,567.10	\$ 86,561.63	7.4%	\$ 81,596.59	1.3%
TOTAL ANNUAL Maximum Cost		\$ 966,805.20	\$ 1,038,739.56		\$ 979,159.09	
TOTAL MONTHLY Expected Cost		\$ 69,572.34	\$ 74,583.85	7.2%	\$ 70,601.83	1.5%
TOTAL ANNUAL Expected Cost		\$ 834,868.08	\$ 895,006.25		\$ 847,221.97	

Total Increase (Maximum Cost)	\$	71,934.36	\$	12,353.89
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Cost Per Employee Per Month at Maximum

Composit at Maximum	\$	1,918.26	\$	2,060.99	\$	1,942.78
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Composit at Expected+10%	\$	1,656.48	\$	1,775.81	\$	1,681.00
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**CITY OF NORTH POLE
GROUP HEALTH PLAN
ANNUAL LOSS RATIO STUDY**
Claims in excess of the Specific Stop Loss are EXCLUDED

Month	Actual Cost	Annual % Increase	Expected Cost	Expected Loss Ratio	Maximum Cost	Maximum Loss Ratio	Specific Deductible	Specific Claims	# of Claims
2005-2006	\$295,375		\$242,859	122%	\$270,762	109%	\$25,000	\$0	0
2006-2007	\$315,426	7%	\$358,605	88%	\$397,002	79%	\$25,000	\$22,170	3
2007-2008	\$411,918	31%	\$468,630	88%	\$516,100	80%	\$25,000	\$14,397	1
2008-2009	\$545,639	32%	\$630,362	87%	\$693,169	79%	\$30,000	\$46,912	1
2009-2010	\$648,169	19%	\$616,661	105%	\$678,251	96%	\$30,000	\$67,465	2
2010-2011	\$587,505	-9%	\$705,969	83%	\$779,613	75%	\$30,000	\$32,617	2
2011-2012	\$807,250	37%	\$725,135	111%	\$800,540	101%	\$30,000	\$230,881	1
2012-2013 *	\$640,441	-21%	\$636,229	101%	\$737,267	87%	\$35,000	\$214,066	2
2013-2014 **	\$667,291	4%	\$723,195	92%	\$841,495	79%	\$35,000	\$6,148	1
2014-2015	\$639,829	-4%	\$671,255	95%	\$777,522	82%	\$35,000	\$52,269	3
2015-2016	\$781,857	22%	\$764,676	102%	\$887,564	88%	\$35,000	\$53,600	4
2016-2017 YTD	\$504,240		\$611,009	83%	\$708,374	71%	\$40,000	\$2,626	1
Projected to Year End	\$672,320	-14%	\$759,251	89%	\$878,723	77%			

* Moved away from CIGNA

** Changed To HCC Stop Loss

AETNA POLI SUB PLANS

	Plan II		Plan III		Plan IV	
COST SHARING OPTIONS (PCY = Per Calendar Year)	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)
Individual/Family Deductible PCY	\$500 / \$1,500		\$750 / \$2,250		\$2,000 / \$4,000	
Per Confinement Deductible	None	\$500 Per Occurance	None	\$500 Per Occurance	None	\$500 Per Occurance
Individual/Family Out-of-Pocket Maximum PCY (Deductible + Coinsurance)	\$1,500 / \$3,500		\$2,750 / \$6,250		\$3,000 / \$6,000	
Pre-Authorization Penalty	None		None		None	
PREVENTIVE SERVICES	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)
Office Visit - Well Adult (19 yrs or over) One (1) visit PCY	100% Deductible Waived	100% Deductible Waived (Subject to U&C)	100% Deductible Waived	100% Deductible Waived	100% Deductible Waived (Subject to U&C)	100% Deductible Waived (Subject to U&C)
Office Visit - Well Child (2 yrs through 18 yrs) One (1) visit PCY						
Office Visit - Well Baby (newborn through 24 months) Six (6) visit PCY						
Routine Mammogram One (1) PCY - Age 40 and over						
Colorectal Screening One (1) PCY - Age 40 and over						
Pelvice Exam/PAP One (1) PCY - Age 16 and over						
Prostate Exam & Lab Work One (1) PCY - Age 40 and over						
Womens Health Care (ACA Required)	100% deductible Waived		100% deductible Waived		100% deductible Waived	

OTHER COVERED SERVICES						
PROFESSIONAL CARE	INNw	OONw	INNw	OONw	INNw	OONw
Professional Office Visit	\$10 copay + 80% after deductible		\$10 copay + 80% after deductible		80% after deductible	
Outpatient Professional Services (Professional Hospital Care)	\$10 copay + 80% after deductible		\$10 copay + 80% after deductible		80% after deductible	
Chiropractic Care	\$10 copay + 80% after deductible		\$10 copay + 80% after deductible		80% after deductible (25 Visits)	
Hearing Care	80% after deductible (max \$800 per 3 years)		80% after deductible (max \$800 per 3 years)		80% after deductible (max \$800 per 3 years)	
Inpatient Professional Services (Includes Mental Health Conditions, Chemical Dependency Inpatient Treatment and Inpatient Surgery.)	80% after deductible	60% after deductible	80% after deductible	60% after deductible	80% after deductible	60% after deductible
PATHOLOGY AND DIAGNOSTIC SERVICES						
Inpatient Hospital X-rays and Lab Tests	80% after deductible	60% after deductible	80% after deductible	60% after deductible	80% after deductible	
Outpatient X-rays and Lab Tests	\$10 copay + 80% after deductible		\$10 copay + 80% after deductible		80% after deductible	
RADIOLOGY - Outpatient						
CT Scan, MRI/MRA, PET Scan, Other Imaging	\$10 copay + 80% after deductible		\$10 copay + 80% after deductible		80% after deductible	
Mammography (non-preventive)	\$10 copay + 80% after deductible		\$10 copay + 80% after deductible		80% after deductible	
URGENT / EMERGENT CARE						
Urgent Care	80% after deductible		80% after deductible		80% after deductible	
Emergency Room Facility	80% after deductible (50% Non Emergency Services)		80% after deductible (50% Non Emergency Services)		80% after deductible (50% Non Emergency Services)	
Emergency Room Professional Services	80% after deductible		80% after deductible		80% after deductible	
Ambulance Transportation (Air & Ground)	80% after deductible		80% after deductible		80% after deductible	

FACILITY CARE		INN	OON	INN	OON	INN	OON
Inpatient Facility Care		80% after deductible	\$500 per confinement Copay +60% after deductible	80% after deductible	\$500 per confinement Copay +60% after deductible	80% after deductible	\$500 per confinement Copay +60% after deductible
Outpatient Facility Care		80% after deductible	60% after deductible	80% after deductible	60% after deductible	80% after deductible	60% after deductible
Skilled Nursing Facility		80% after deductible (120 days)		80% after deductible (120 days)		80% after deductible (120 days)	
MATERNITY							
Maternity Inpatient		80% after deductible	\$500 per confinement Copay +60% after deductible	80% after deductible	60% after deductible	80% after deductible	\$500 per confinement copay + 60% after deductible
Maternity Outpatient		80% after deductible	60% after deductible	80% after deductible	60% after deductible	80% after deductible	60% after deductible
Maternity Ultrasound		80% after deductible		80% after deductible		80% after deductible	
OTHER SERVICES							
Mental Health Inpatient		80% after deductible	\$500 per confinement Copay +60% after deductible	80% after deductible	60% after deductible	80% after deductible	\$500 per confinement copay + 60% after deductible
Mental Health Outpatient - Office Visit		80% after deductible		80% after deductible		80% after deductible	
Mental Health Outpatient - Facility		80% after deductible	60% after deductible	80% after deductible	60% after deductible	80% after deductible	60% after deductible
Chemical Dependency Inpatient		80% after deductible	\$500 per confinement Copay +60% after deductible	80% after deductible	60% after deductible	80% after deductible	\$500 per confinement copay + 60% after deductible
Chemical Dependency Outpatient - Office Visit		80% after deductible		80% after deductible		80% after deductible	
Chemical Dependency Outpatient - Facility		80% after deductible	60% after deductible	80% after deductible	60% after deductible	80% after deductible	60% after deductible

Rehabilitation Inpatient (Includes Neurodevelopmental and Physical)	80% after deductible	\$500 per confinement Copay +60% after deductible	80% after deductible	60% after deductible	80% after deductible	\$500 per confinement Copay +60% after deductible
Rehabilitation Outpatient - Office Visit (Includes Neurodevelopmental and Physical)	80% after deductible		80% after deductible		80% after deductible	
Rehabilitation Outpatient - Facility (Includes Neurodevelopmental and Physical)	80% after deductible		80% after deductible		80% after deductible	
Durable Medical Equipment	80% after deductible		80% after deductible		80% after deductible (\$10,000 PCY)	
Orthotics	80% after deductible		80% after deductible		80% after deductible	
Home Health Care	80% after deductible (60 visits)		80% after deductible (60 visits)		80% after deductible (60 visits)	
Hospice Care (Life Expectancy is six (6) months or less)	80% after deductible		80% after deductible		80% after deductible	
Transplants	80% After Deductible	\$500 per confinement copay + 60% after deductible	80% After Deductible	Not Covered	80% After Deductible	\$500 per confinement copay + 60% after deductible
Transplants - Donor Cost	80% (Max \$20,000)	Not Covered	80% (Max \$20,000)	Not Covered	80% (Max \$20,000)	Not Covered
Transplants - Transportation	80% After Deductible	Not Covered	80% After Deductible	Not Covered	80% After Deductible	Not Covered

PHARMACY							
Individual/Family Deductible PCY	\$50 Indiv / \$ 150 Fam		\$50 Indiv / \$ 150 Fam		Combined with Medical		
Retail Pharmacy Up to 30 day supply	\$0 / \$15 or 20% / \$30 or 30%	80% of recognized charge	\$0 / \$15 or 20% / \$30 or 30%	80% of recognized charge	\$10 / \$20 / \$35	80% of recognized charge	
Mail Order 90-day supply	\$10 / \$30 / \$30	Not Covered	\$10 / \$30 / \$30	Not Covered	\$20 / \$50 / \$100	Not Covered	
Oral Contraceptives	100% deductible waived		100% deductible waived		100% deductible waived		
Preventive RX (ACA Required)	100% deductible waived		100% deductible waived		100% deductible waived		
VISION							
Individual/Family Deductible PCY	None		None		None		
Frames	80% per 24 Months		80% per 24 Months		Not Covered		
Lenses	80% per 12 Months		80% per 12 Months				
Contacts	In lieu of glasses		In lieu of glasses				
Exam	80% per 12 Months		80% per 12 Months		100% (per 12 mo.)		
DENTAL							
Individual/Family Deductible PCY	\$50		\$50		\$50		
Benefit Maximum PCY	\$1,500 per participant		\$1,500 per participant		\$1,500 per participant		
Preventive Care	80% Deductible Waived		80% Deductible Waived		80% Deductible Waived		
Basic Care	80% After Deductible		80% After Deductible		80% After Deductible		
Major Care	50% After Deductible		50% After Deductible		50% After Deductible		
TMJ	Not covered		Not covered		Not covered		
Orthodontia	Not covered		Not covered		Not covered		

Pre-Certification is required, but not limited, to the following services:

Air Ambulance, when used for Non-Emergency Medical Conditions Diagnostic Imaging such as CT Scans, PET Scans, MRAs, MRIs, IVPs, etc. Genetic testing Home Health Care Services Hospice Care I/V Therapy Inpatient Hospitalizations Inpatient Surgical Procedures Orthotics and Prosthetics over \$500.00 Outpatient Surgical Procedures Physical and Occupational Therapies Purchase of Durable Medical Equipment costing \$1,000 or more Renal Dialysis Rental of Durable Medical Equipment with purchase value of \$3,000 or more Skilled Nursing and Rehabilitation Facility Services Transplant Evaluations Travel	Air Ambulance, when used for Non-Emergency Medical Conditions Diagnostic Imaging such as CT Scans, PET Scans, MRAs, MRIs, IVPs, etc. Genetic testing Home Health Care Services Hospice Care I/V Therapy Inpatient Hospitalizations Inpatient Surgical Procedures Orthotics and Prosthetics over \$500.00 Outpatient Surgical Procedures Physical and Occupational Therapies Purchase of Durable Medical Equipment costing \$1,000 or more Renal Dialysis Rental of Durable Medical Equipment with purchase value of \$3,000 or more Skilled Nursing and Rehabilitation Facility Services Transplant Evaluations Travel	Air Ambulance, when used for Non-Emergency Medical Conditions Diagnostic Imaging such as CT Scans, PET Scans, MRAs, MRIs, IVPs, etc. Genetic testing Home Health Care Services Hospice Care I/V Therapy Inpatient Hospitalizations Inpatient Surgical Procedures Orthotics and Prosthetics over \$500.00 Outpatient Surgical Procedures Physical and Occupational Therapies Purchase of Durable Medical Equipment costing \$1,000 or more Renal Dialysis Rental of Durable Medical Equipment with purchase value of \$3,000 or more Skilled Nursing and Rehabilitation Facility Services Transplant Evaluations Travel
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7/1/2017 Renewal	Plan II	Plan III	Plan IV
Employee Only	\$1,376.95	\$1,081.62	\$747.93
Employee & Spouse	\$2,552.23	\$2,071.23	\$1,322.91
Employee & Children	\$3,099.72	\$2,520.86	\$1,723.67
Family	\$4,274.20	\$3,510.17	\$2,408.10

7/1/2016 Renewal	Plan II	Plan III	Plan IV
Employee Only	\$1,271.42	\$998.73	\$690.61
Employee & Spouse	\$2,356.63	\$1,912.49	\$1,322.91
Employee & Children	\$2,862.16	\$2,327.66	\$1,591.57
Family	\$3,946.63	\$3,241.15	\$2,223.55

7/1/2015 Renewal	Plan II	Plan III	Plan IV
Employee Only	\$1,168.15	\$917.97	\$635.29
Employee & Spouse	\$2,165.33	\$1,757.86	\$1,216.96
Employee & Children	\$2,629.03	\$2,138.69	\$1,463.65
Family	\$2,625.54	\$2,978.31	\$2,044.73

COMPARISON OF OTHER HEALTH PLANS

	Valdez City Schools		NWABSD		City of Seward		City of North Pole	
COST SHARING OPTIONS (PCY = Per Calendar Year)	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)	IN-NETWORK	OUT-OF-NETWORK (subject to U&C)
Individual/Family Deductible PCY	\$100 / \$300		\$50 / \$150	\$200/\$500	\$250 / \$500		\$375 / \$1,125	
Per Confinement Deductible	None		None		Inpatient Hospital \$50 / ER Services \$25		None	\$250
Individual/Family Out-of-Pocket Maximum PCY (Deductible + Coinsurance)	\$588 Per Individual		\$1,500 / \$3000	\$4,000 / \$8000	\$2,250 / \$4,500	\$6,250/ \$12,500	\$4,225 / \$12,675	
Pre-Authorization Penalty			50% per occurrence				\$250 (per claim)	
PREVENTIVE SERVICES								
Office Visit - Well Adult (19 yrs or over) One (1) visit PCY	90% Deductible Waived	90% Deductible Waived (Subject to U&C)	100% Deductible Waived	100% Deductible Waived (Subject to U&C)	80% Deductible Waived	80% Deductible Waived	90% Deductible Waived	90% Deductible Waived (Subject to U&C)
Office Visit - Well Child (2 yrs through 18 yrs) One (1) visit PCY								
Office Visit - Well Baby (newborn through 24 months) Six (6) visit PCY								
Routine Mammogram One (1) PCY - Age 40 and over								
Colorectal Screening One (1) PCY - Age 40 and over								
Pelvice Exam/PAP One (1) PCY - Age 16 and over								
Prostate Exam & Lab Work One (1) PCY - Age 40 and over								
Womens Health Care (ACA Required)	N/A Grandfathered Plan		100% deductible Waived		100% deductible Waived		100% deductible Waived	

OTHER COVERED SERVICES								
PROFESSIONAL CARE	INN	OWN	INN	OWN	INN	OWN	INN	OWN
Professional Office Visit	90% after deductible		90% after deductible		80% after deductible		80% after deductible	
Outpatient Professional Services (Professional Hospital Care)	90% after deductible		90% after deductible		80% after deductible		90% after deductible	
Chiropractic Care	90% after deductible		90% after deductible		50% after deductible (15 Visits)		90% after deductible (12 Visits)	
Hearing Care					Exam 80% / Hearing Aid 100% (1 per year)			
Inpatient Professional Services	90% after deductible		90% after deductible		80% after deductible		90% after deductible	
PATHOLOGY AND DIAGNOSTIC SERVICES								
Inpatient Hospital X-rays and Lab Tests	90%		90% after deductible		80% after deductible		90% after deductible	60% after deductible
Outpatient X-rays and Lab Tests	90%		90% after deductible		80% after deductible		80% after deductible	
RADIOLOGY - Outpatient								
CT Scan, MRI/MRA, PET Scan, Other Imaging	90%		90% after deductible		80% after deductible		80% after deductible	
Mammography (non-preventive)	90%		90% after deductible		80% after deductible		80% after deductible	
URGENT / EMERGENT CARE								
Urgent Care	90%		90% after deductible		80% after deductible		80% after deductible	
Emergency Room Facility	90%		90% after deductible		80% after deductible		80% after deductible	
Emergency Room Professional Services	90%		90% after deductible		80% after deductible		90% after deductible	
Ambulance Transportation (Air & Ground)	90%		90% after deductible		80% after deductible		90% after deductible	
FACILITY CARE								
Inpatient Facility Care	90%	75%	90% after deductible	70% after deductible	80% after deductible	60% after deductible	90% after deductible	\$250 per confinement copay + 60% after deductible
Outpatient Facility Care	90%		90% after deductible	70% after deductible	80% after deductible	60% after deductible	90% after deductible	60% after deductible
Skilled Nursing Facility	90%		100% Deductible Waived (90 days)		80% after deductible (60 days)		80% after deductible	
Bridge Health Surgery Program	100% Deductible Waived		100% Deductible Waived		100% Deductible Waived		100% Deductible Waived	

MATERNITY	INNW	OONW	INNW	OONW	INNW	OONW	INNW	OONW
Maternity Inpatient	90% After Deductible	75% After Deductible	90% After Deductible	70% After Deductible	80% after deductible	60% after deductible	90% after deductible	\$250 per confinement copay + 60% after deductible
Maternity Outpatient	90% After Deductible		90% After Deductible		80% after deductible	60% after deductible	90% after deductible	60% after deductible
Maternity Ultrasound	90% After Deductible		90% After Deductible				80% after deductible	
OTHER SERVICES								
Mental Health Inpatient	90% After Deductible	75% After Deductible	90% After Deductible	70% After Deductible	80% after deductible	60% after deductible	90% after deductible	\$250 per confinement copay + 60% after deductible
Mental Health Outpatient - Office Visit	90% After Deductible		90% After Deductible		80% after deductible		80% after deductible	
Mental Health Outpatient - Facility	90% After Deductible	75% After Deductible	90% After Deductible	70% After Deductible	80% after deductible	60% after deductible	90% after deductible	60% after deductible
Chemical Dependency Inpatient	90% After Deductible	75% After Deductible	90% After Deductible	70% After Deductible	80% after deductible	60% after deductible	90% after deductible	\$250 per confinement copay + 60% after deductible
Chemical Dependency Outpatient - Office Visit	90% After Deductible		90% After Deductible		80% after deductible		80% after deductible	
Chemical Dependency Outpatient - Facility	90% After Deductible	75% After Deductible	90% After Deductible	70% After Deductible	80% after deductible	60% after deductible	90% after deductible	60% after deductible
Rehabilitation Inpatient (Includes Neurodevelopmental and Physical)	90% After Deductible	75% After Deductible	90% After Deductible	70% After Deductible	80% after deductible	60% after deductible	90% after deductible	\$250 per confinement copay + 60% after deductible
Rehabilitation Outpatient - Office Visit (Includes Neurodevelopmental and Physical)	90% After Deductible		90% After Deductible		80% after deductible		80% after deductible	

Rehabilitation Outpatient - Facility	90% After Deductible		90% After Deductible	75% After Deductible	80% after deductible		90% after deductible	60% after deductible
Durable Medical Equipment	90% After Deductible		90% After Deductible		80% after deductible		80% after deductible	
Orthotics	90% After Deductible		90% After Deductible		80% after deductible		80% after deductible	
Home Health Care	90% After Deductible (130 Visits)		90% After Deductible (100 Visits)		80% after deductible		80% after deductible	
Hospice Care (Life Expectancy is six (6) months or less)	90% After Deductible		90% After Deductible		80% after deductible		80% after deductible	
Transplants	90% After Deductible	75% After Deductible	90% After Deductible	Not Covered	80% After Deductible	Not Covered	90% After Deductible	
Transplants - Donor Cost	90% (Max \$20,000)		90% (Max \$20,000)	Not Covered	80% (Max \$20,000)	Not Covered	90% (Max \$15,000)	
Transplants - Transportation	90% After Deductible		100% deductibel waived	Not Covered	80% After Deductible	Not Covered	90% After Deductible (\$7,500)	
PHARMACY								
Individual/Family Deductible PCY	None		Combined with Medical		None		None	
Retail Pharmacy Up to 30 day supply	\$5 / \$10		90% after Deductible		\$5 / \$10 + difference in cost		\$10 / \$28 / \$50 / \$50	
Retail Pharmacy 31-90 day supply	\$5 / \$10				\$5 / \$10 + difference in cost		\$30 / \$84 / \$150 / \$150	
Out-of-Network Pharmacy Up to 30 day supply	\$5 / \$10				\$5 / \$10 + difference in cost		See Summary Plan Description	
Mail Order 90-day supply	\$5 / \$10				\$5 / \$10 + difference in cost		\$20 / \$50 / \$100	
Oral Contraceptives	Not Covered		100% deductible waived		\$1 per Rx		Same As above	
Preventive RX (ACA Required)	N/A Grandfathered Plan		100% deductible waived		N/A Grandfathered Plan		N/A Grandfathered Plan	

VISION				
Individual/Family Deductible PCY	None	None	None	None / None
Frames	90% per 12 Months	90% up to \$45 per 24 Months	\$100 PCY	100% up to \$120 Maximum (per 24 Mo.)
Leses	90% per 12 Months	90% per 12 Months	\$30 / \$44 / \$58 / \$166 (per lense PCY)	
Contacts	In lieu of glasses	In lieu of glasses	In lieu of glasses \$130 PCY	In lieu of glasses
Exam	90% per 12 Months	90% per 12 Months	\$100 PCY	100% up to \$60 Maximum (per 12 mo.)
DENTAL				
Individual/Family Deductible PCY	\$25 / \$75	None	\$50	\$50 / \$150
Benefit Maximum PCY	\$2,000 per participant	\$1,000 per participant	\$2,500 per participant	\$1,000 per participant
Preventive Care	100% Deductible Waived	70% / 80% / 90% / 100%	100% Deductible Waived	100% Deductible Waived
Basic Care	80% After Deductible	70% / 80% / 90% / 100%	80% After Deductible	80% After Deductible
Major Care	50% After Deductible	50%	50% After Deductible (6 mo wait)	50% After Deductible
TMJ	Not Covered	Not Covered	80% \$1,000 Lifetime deductible waived	Not covered
Orthodontia	Not Covered	Not Covered	80% \$1,000 Lifetime deductible waived (children only)	Not covered

Pre-Certification is required, but not limited, to the following services:

	Air Ambulance, when used for Non-Emergency Medical Conditions	Air Ambulance, when used for Non-Emergency Medical Conditions	Air Ambulance, when used for Non-Emergency Medical Conditions
Diagnostic Imaging such as CT Scans, PET Scans, MRAs, MRIs, IVPs, etc.	Diagnostic Imaging such as CT Scans, PET Scans, MRAs, MRIs, IVPs, etc.	Diagnostic Imaging such as CT Scans, PET Scans, MRAs, MRIs, IVPs, etc.	Diagnostic Imaging such as CT Scans, PET Scans, MRAs, MRIs, IVPs, etc.
	Genetic testing	Genetic testing	Genetic testing
Hospice Care	Home Health Care Services Hospice Care	Home Health Care Services Hospice Care	Home Health Care Services Hospice Care
	I/V Therapy	I/V Therapy	I/V Therapy
Inpatient Hospitalizations	Inpatient Hospitalizations	Inpatient Hospitalizations	Inpatient Hospitalizations
Inpatient Surgical Procedures	Inpatient Surgical Procedures Orthotics and Prosthetics over \$500.00	Inpatient Surgical Procedures Orthotics and Prosthetics over \$500.00	Inpatient Surgical Procedures Orthotics and Prosthetics over \$500.00
Outpatient Surgical Procedures	Outpatient Surgical Procedures Physical and Occupational Therapies	Outpatient Surgical Procedures Physical and Occupational Therapies	Outpatient Surgical Procedures Physical and Occupational Therapies
	Purchase of Durable Medical Equipment costing \$1,000 or more	Purchase of Durable Medical Equipment costing \$1,000 or more	Purchase of Durable Medical Equipment costing \$1,000 or more
Renal Dialysis	Renal Dialysis	Renal Dialysis	Renal Dialysis
	Rental of Durable Medical Equipment with purchase value of \$3,000 or more	Rental of Durable Medical Equipment with purchase value of \$3,000 or more	Rental of Durable Medical Equipment with purchase value of \$3,000 or more
	Skilled Nursing and Rehabilitation Facility Services	Skilled Nursing and Rehabilitation Facility Services	Skilled Nursing and Rehabilitation Facility Services
Transplant Evaluations	Transplant Evaluations	Transplant Evaluations	Transplant Evaluations
Travel	Travel	Travel	Travel

	Valdez City Schools	NWABSD	City of Seward	City of North Pole
Group Size	112 (4/1/2017 Renewal)	385 (12/1/2016 Renewal)	98 (1/1/2017 Renewal)	40 (7/1/2017 Renewal)
Employee Only	\$1,140.89	\$980.62	\$1,115.69	\$845.00
Employee & Spouse	\$2,361.64	\$2,029.89	\$2,309.47	\$1,749.15
Employee & Children	\$2,213.32	\$1,902.41	\$2,164.43	\$1,639.30
Family	\$3,479.40	\$2,990.90	\$3,402.85	\$2,577.25
Self Funded	\$125,000 Spec Ded.	\$150,000 Spec Ded.	\$100,000 Spec Ded.	\$40,000 Spec Ded.

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bill@northpolealaska.com

City of North Pole
Director of City Services

Memo

To: North Pole City Council
From: Bill Butler
Date: May 8, 2017
Subject: Updates for storm water management ordinances

Recommendation

Amend Title 12 Streets, Sidewalks and Public Places; 12.24 Illicit Discharge Detection and Elimination; Amend Title 15, Building and Construction; Title 15.66 Construction Site Storm Water Runoff; and Title 15.74 Post-Construction Storm Water Management to reflect State's oversight of the permit and language changes to better reflect requirements of the Clean Water Act.

Background

The City of North Pole, City of Fairbanks, University of Alaska Fairbanks, and Alaska Department of Transportation and Public Facilities, Northern Region collectively received a Phase II National Pollutant Discharge Elimination System from the U.S. Environmental Protection Agency on June 1, 2005, to manage discharge from all municipal separate storm sewer systems (MS4s) into receiving waters, which includes Beaver Springs, Chena River, Chena Slough, Noyes Slough, and other associated waters of the U.S. The Phase II NPDES Permit required the different parties to implement and enforce a program to address post-construction storm water runoff from new development and redevelopment projects within the Fairbanks Pole Urbanized Area. The proposed changes reflect the State of Alaska taking responsibility for oversight of the local permit. The change in authority is reflected in the name of the permit Alaska Pollutant Discharge Elimination System (APDES) program. The original permit conditions remain in effect despite the name change. The changes throughout the three associated ordinances reflect updating code language that reflect the increased responsibility of the State and feedback from EPA and the State to make the code language better reflect the requirements of the Clean Water Act.

CITY OF NORTH POLE

ORDINANCE 17-13

**AN ORDINANCE TO AMEND CODES ASSOCIATED WITH THE CITY OF NORTH
POLE'S STORM WATER MANAGEMENT ORDINANCES CHAPTER 12.24 ILLICIT
DISCHARGE DETECTION AND ELIMINATION; CHAPTER 15.66
CONSTRUCTION SITE STORM WATER RUNOFF; AND CHAPTER 15.74
POST-CONSTRUCTION STORM WATER MANAGEMENT**

WHEREAS, changes to the North Pole Municipal Code is a continually changing requirement;
and

WHEREAS, the City of North Pole Municipal Code should be amended to conform to the
requirements of the City.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of North Pole:

Section 1. This ordinance is of a general and permanent nature and shall be codified.

Section 2. Amend Title 12 Streets, Sidewalks and Public Places; 12.24 Illicit Discharge
Detection and Elimination; Amend Title 15, Building and Construction; Title 15.66 Construction
Site Storm Water Runoff; and Title 15.74 Post-Construction Storm Water Management as in the
attached amended code language.

Section 3. These changes shall become effective upon passage.

PASSED AND APPROVED by a duly constituted quorum of the North Pole City Council this
5th day of June, 2017.

Bryce J. Ward, Mayor

ATTEST:

Kathryn M. Weber, MMC
North Pole City Clerk

PASS/FAIL Yes: No: Absent:

125 Snowman Lane
North Pole, Alaska 99705
(907) 488-8593
(907) 488-3002 (fax)
bill@northpolealaska.com

City of North Pole
Director of City Services

Memo

To: North Pole City Council
From: Bill Butler
Date: May 8, 2017
Subject: Updates for storm water management ordinances

Recommendation

Amend Title 12 Streets, Sidewalks and Public Places; 12.24 Illicit Discharge Detection and Elimination; Amend Title 15, Building and Construction; Title 15.66 Construction Site Storm Water Runoff; and Title 15.74 Post-Construction Storm Water Management to reflect State's oversight of the permit and language changes to better reflect requirements of the Clean Water Act.

Background

The City of North Pole, City of Fairbanks, University of Alaska Fairbanks, and Alaska Department of Transportation and Public Facilities, Northern Region collectively received a Phase II National Pollutant Discharge Elimination System from the U.S. Environmental Protection Agency on June 1, 2005, to manage discharge from all municipal separate storm sewer systems (MS4s) into receiving waters, which includes Beaver Springs, Chena River, Chena Slough, Noyes Slough, and other associated waters of the U.S. The Phase II NPDES Permit required the different parties to implement and enforce a program to address post-construction storm water runoff from new development and redevelopment projects within the Fairbanks Pole Urbanized Area. The proposed changes reflect the State of Alaska taking responsibility for oversight of the local permit. The change in authority is reflected in the name of the permit Alaska Pollutant Discharge Elimination System (APDES) program. The original permit conditions remain in effect despite the name change. The changes throughout the three associated ordinances reflect updating code language that reflect the increased responsibility of the State and feedback from EPA and the State to make the code language better reflect the requirements of the Clean Water Act.

Chapter 12.24

ILLICIT DISCHARGE DETECTION AND ELIMINATION

Sections:

12.24.010 Purpose – Intent.

12.24.020 Definitions.

12.24.030 Applicability.

12.24.040 Responsibility for administration.

12.24.050 Severability.

12.24.060 Ultimate responsibility.

12.24.070 Discharge prohibitions.

12.24.080 Suspension of MS4 access.

12.24.090 Industrial or construction activity discharges.

12.24.100 Monitoring of discharges.

12.24.110 Requirement to prevent, control, and reduce storm water pollutants by the use of best management practices.

~~12.24.120 Accidental discharge/slug control plan.~~

12.24.130 Watercourse protection.

12.24.140 Notification of spills.

12.24.150 Enforcement.

12.24.160 Appeal of notice of violation.

12.24.170 Enforcement measures after appeal.

12.24.180 Cost of abatement of the violation.

12.24.190 Injunctive relief.

12.24.200 Compensatory action.

12.24.210 Violations deemed a public nuisance.

12.24.220 Remedies not exclusive.

12.24.010 Purpose – Intent.

The purpose of this chapter is to provide for the health, safety, and general welfare of the citizens of the City of North Pole through the regulation of non-storm water discharges to the storm drainage system to the maximum extent practicable as required by Federal and State law. This chapter establishes methods for controlling the introduction of pollutants into the municipal separate storm sewer system (MS4) in order to comply with requirements of the ~~National~~ *Alaska* Pollutant Discharge Elimination System (~~NPDES~~) (*APDES*) permit process.

The objectives of this chapter are to:

A. Regulate the contribution of pollutants to the storm drainage system and local waterways from storm water discharges and snow melt by any user.

B. Prohibit illicit connections and discharges to the storm drainage system or local waterways.

C. Establish legal authority to carry out all inspection, surveillance, and monitoring procedures necessary to ensure compliance with this chapter.

12.24.020 Definitions.

For the purposes of this chapter, the following shall mean:

“Authorized enforcement agency” means employees or designees of the City of North Pole ~~Director of City Services designated~~ to enforce this chapter.

Alaska Pollution Discharge Elimination System (APDES) Program: In 2008, the State of Alaska applied to implement the NPDES Program. The EPA approved the application and agreed to transfer program authority to the State over four phases. The State's program is called the Alaska Pollutant Discharge Elimination System (APDES) Program and is administered by the ADEC. The initial phase transferred in 2008 and included domestic discharges, log storage and transfer facilities, seafood processing facilities, and hatcheries. Phase II was completed in 2009 and included federal facilities, stormwater, wastewater pretreatment programs, and non-domestic discharges. Phase III was completed in 2010 to include mining activities. November 1, 2012 marked the completion of Phase IV and included wastewater permitting for the oil and gas industry, pesticides, munitions, and any other facilities that had not yet been transferred. New (APDES) regulations were adopted at 18 AAC 83, along with subsequent amendments effective October 23, 2008.

“Best management practices (BMPs)” means schedules of activities; prohibitions of practices; general good housekeeping practices; pollution prevention and educational practices; maintenance procedures; and other management practices to prevent or reduce the discharge of pollutants directly or indirectly to storm water, receiving waters, or storm water conveyance systems. BMPs also include treatment practices; operating procedures; and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage.

“Clean Water Act” (*CWA*) means the Federal Water Pollution Control Act (33 USC Section 1251 et seq.), and any subsequent amendments thereto.

“Construction activity” means activities subject to ~~NPDES~~ *APDES* construction permits. Currently, these include construction projects resulting in land disturbance of one acre or more *and discharges from smaller sites that are part of a larger common plan of development or sale.* Such *earth-disturbing* activities include, but are not limited to, clearing and grubbing, grading, excavating, and demolition.

“Hazardous materials” means any material, including any substance, waste, or combination thereof, which because of its quantity, concentration, or physical, chemical, biological, or infectious characteristics may cause, or significantly contribute to, a substantial present or potential hazard to human health, safety, property, or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

“Illegal discharge” means any direct or indirect non-storm water discharge to the storm drainage system, except as exempted by this chapter.

Illicit Connections. An illicit connection is defined as either of the following:

A. Any drain or conveyance, whether on the surface or subsurface, that allows an illegal discharge to enter the storm drainage system including, but not limited to, any conveyances that allow any non-storm water discharge including sewage, process wastewater, and wash water to enter the storm drainage system; and any connections to the storm drainage system from indoor drains and sinks, regardless of whether said drain or connection had been previously allowed, permitted, or approved by an authorized enforcement agency; or any drain or conveyance connected to the storm drainage system from a commercial or industrial land use, and which has not been documented in plans, maps, or equivalent records and approved by an authorized enforcement agency.

“Industrial activity” means activities subject to NPDES industrial permits as defined in 40 CFR Section 122.26(b)(14).

“Municipal separate storm sewer system (MS4)” means facilities within the City of North Pole urbanized area owned or operated by the co-permittees holding Permit No. AKS-053406 by which storm water is collected and/or conveyed, including, but not limited to, any roads with drainage systems, City streets, gutters, curbs, inlets, piped storm drains, pumping facilities, retention and detention basins, natural and human-made or altered drainage channels, reservoirs, and other drainage structures.

“National Pollutant Discharge Elimination System (NPDES) storm water discharge permit” means a permit issued by the Environmental Protection Agency (EPA) (or by a state under authority delegated pursuant to 33 USC Section 1342(b)) that authorizes the discharge of pollutants to waters of the United States, whether the permit is applicable on an individual, group, or general area-wide basis.

“Non-storm water discharge” means any discharge to the storm drainage system that is not composed entirely of storm water.

“Person” means any individual, association, organization, partnership, firm, corporation or other entity recognized by law, and acting as either the owner or the owner’s agent.

“Pollutant” means anything that causes or contributes to pollution. Pollutants may include, but are not limited to: paints, varnishes, and solvents; oils, grease, and other automotive fluids; nonhazardous liquids, detergents, and solid wastes and yard wastes; refuse, rubbish, garbage, litter, or other discarded or abandoned objects, ammunition, and accumulations, so that same may cause or contribute to pollution; floatables; pesticides, herbicides, and fertilizers; hazardous substances and wastes; sewage, fecal coliform and pathogens; dissolved and particulate metals; animal wastes; wastes and residues that result from constructing a building or structure; and noxious or offensive matter of any kind.

“Premises” means any building, lot, parcel of land, or portion of land, whether improved or unimproved, including adjacent sidewalks and parking strips.

“Snow storage” means any area used to store snow removed from residential and commercial facilities, roadways, parking lots, storage areas.

“Storm drainage system” means MS4 facilities within and under the control of the City of North Pole by which storm water is collected and/or conveyed, including but not limited to any roads with drainage systems, City streets, gutters, curbs, inlets, piped storm drains, pumping facilities, retention and detention basins, natural and human-made or altered drainage channels, reservoirs, and other drainage structures.

“Storm water” means any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation.

“Storm water pollution prevention plan” (*SWPPP*) means a document that describes the BMPs and activities to be implemented by a person or business to identify sources of pollution or contamination at a site, and the actions to eliminate or reduce pollutant discharges to storm water, storm water conveyance systems, and/or receiving waters to the maximum extent practicable.

“Wastewater” means any water or other liquid, other than uncontaminated storm water, discharged from a facility.

Waterways. Area waterways include the Chena River, Noyes Slough, ponds, lakes, gravel pits, storm water retention basins, and all associated drainage pathways, swales, ditches, channels, etc.

12.24.030 Applicability.

This chapter shall apply to all water entering the storm drainage system generated on any developed and undeveloped lands unless explicitly exempted by an authorized enforcement agency.

12.24.040 Responsibility for administration.

The City of North Pole shall administer, implement, and enforce the provisions of this chapter. Any powers granted or duties imposed upon the authorized enforcement agency may be delegated in writing by the Director of the authorized enforcement agency to persons or entities acting in the beneficial interest of, or in the employ of, the agency.

12.24.050 Severability.

The provisions of this chapter are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this chapter or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this chapter.

12.24.060 Ultimate responsibility.

The standards set forth herein and promulgated pursuant to this chapter are minimum standards; therefore, this chapter does not intend nor imply that compliance by any person will ensure that there will be no contamination, pollution, nor unauthorized discharge of pollutants.

12.24.070 Discharge prohibitions.

A. Prohibition of Illegal Discharges. No person shall cause or permit the illicit discharge of any of the following in such a manner that access was, is, or will be gained to:

1. Waters of the State, or waters of the United States, unless such is first treated in a manner approved by the authorized enforcement agency having jurisdiction; or

2. To a storm drainage system of the City of North Pole, other than pursuant to an ~~NPDES~~ *APDES* permit:

a. Grease, fatty materials, offal, or garbage;

b. Sand, sand dust, dirt, gravel, sawdust, *coal, coal ash*, metal filings, broken glass, *yard waste, domestic animal or livestock waste* or any material which may cause or create an obstruction in the storm sewer system;

c. Gasoline, benzene, fuel oil or a petroleum product, or volatile liquid;

d. Milk or any liquid milk waste products;

e. Wax, cyanide, phenols, or other chemical or substances that may cause damage to materials of which the storm sewer system is constructed;

f. Wastewater; or

g. Pollutants or any materials other than storm water which are prohibited by the Clean Water Act, National Pollutant Discharge Elimination System under 33 USC 1342 (1987) and regulations adopted thereunder located at 40 CFR 22, 23 and 24 (1990).

B. Dumping in Watercourse. No person shall deposit, dump, abandon, throw, scatter, or transport solid waste, garbage, rubbish, junk, fill, soil, dirt, snow *yard waste, domestic animal or livestock waste* or other material in such a manner as to obstruct, impound, pollute or cause siltation of any river, stream, creek, watercourse, ditch, drain, or gutter except as otherwise allowed by valid Federal, State, or local permits or licenses relative to water pollution, water impoundment, or water quality control.

The commencement, conduct or continuance of any illegal discharge to the storm drainage system is prohibited except as described as follows:

1. The following discharges are exempt from discharge prohibitions established by this chapter: water line flushing or other potable water sources, landscape irrigation or lawn watering, diverted stream flows, rising ground water, ground water infiltration to storm drains, uncontaminated pumped ground water, foundation or footing drains (not including active ground water dewatering or cooling systems), crawl space pumps, air conditioning condensation, springs, noncommercial washing of vehicles, natural riparian habitat or wetland flows, swimming pools (if dechlorinated – typically less than one part per million (PPM chlorine)), firefighting activities, and any other water source not containing pollutants.

2. Discharges specified in writing by the authorized enforcement agency as being necessary to protect public health and safety.

3. Dye testing is an allowable discharge, but requires a verbal notification to the authorized enforcement agency prior to the time of the test.

4. The prohibition shall not apply to any non-storm water discharge permitted under an NPDES APDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the EPA; provided, that the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations; and provided, that written approval has been granted for any discharge to the storm drainage system.

C. Prohibition of Illicit Connections.

1. The construction, use, maintenance, or continued existence of illicit connections to the storm drainage system is prohibited.

2. This prohibition expressly includes, without limitation, illicit connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.

3. A person is considered to be in violation of this chapter if the person connects a line conveying sewage to the MS4, or allows such a connection to continue.

12.24.080 Suspension of MS4 access.

A. Suspension Due to Illicit Discharges in Emergency Situations. The City of North Pole may, without prior notice, suspend MS4 discharge access to a person when such suspension is necessary to stop an actual or threatened discharge which presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the MS4, or waters of the United States. If the violator fails to comply with a suspension order issued in an emergency, the authorized enforcement agency may take such steps as deemed necessary to prevent or minimize damage to the MS4 or waters of the United States, or to minimize danger to persons.

B. Suspension Due to the Detection of Illicit Discharge. Any person discharging to the MS4 in violation of this chapter may have their MS4 access terminated if such termination would abate or reduce an illicit discharge. The authorized enforcement agency will notify a violator of the proposed termination of its MS4 access. The violator may petition the authorized enforcement agency for a reconsideration and hearing.

A person commits an offense if the person reinstates MS4 access to premises terminated pursuant to this section, without the prior approval of the authorized enforcement agency.

12.24.090 Industrial or construction activity discharges.

Any person subject to an industrial or construction activity NPDES APDES storm water discharge permit shall comply with all provisions of such permit. Proof of compliance with such permit may be required in a form acceptable to the City of North Pole prior to the allowing of discharges to the MS4.

12.24.100 Monitoring of discharges.

A. Applicability. This section applies to all facilities that have storm water discharges associated with industrial activity, including construction activity.

B. Access to Facilities.

1. The City of North Pole shall be permitted to enter and inspect facilities subject to regulation under this chapter as often as may be necessary to determine compliance. If a discharger has security measures in force that require proper identification and clearance before entry into its premises, the discharger shall make the necessary arrangements to allow access to representatives of the authorized enforcement agency.

2. Facility operators shall allow the City of North Pole ready access to all parts of the premises for the purposes of inspection, sampling, examination and copying of records that must be kept under the conditions of an NPDES APDES permit to discharge storm water, and the performance of any additional duties as defined by State and Federal law.

3. The City of North Pole shall have the right to set up, on any permitted facility, such devices as are necessary in the opinion of the authorized enforcement agency to conduct monitoring and/or sampling of the facility's storm water discharge.

4. The City of North Pole has the right to require the discharger to install monitoring equipment as necessary. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the discharger at their own expense. All devices used to measure storm water flow and quality shall be calibrated yearly to ensure their accuracy.

5. Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the operator at the written or oral request of the City of North Pole and shall not be replaced. The costs of clearing such access shall be borne by the operator.

6. Unreasonable delays in allowing the City of North Pole access to a permitted facility are a violation of a storm water discharge permit and of this chapter. A person who is the operator of a facility with an NPDES APDES permit to discharge storm water associated with industrial activity commits an offense if the person denies the authorized enforcement agency reasonable access to the permitted facility for the purpose of conducting any activity authorized or required by this chapter.

7. If the City of North Pole has been refused access to any part of the premises from which storm water is discharged and is able to demonstrate probable cause to believe that there may be

a violation of this chapter, or that there is a need to inspect and/or sample as part of a routine inspection and sampling program designed to verify compliance with this chapter or any order issued hereunder, or to protect the overall public health, safety, and welfare of the community, then the authorized enforcement agency may seek issuance of a search warrant from any court of competent jurisdiction.

12.24.110 Requirement to prevent, control, and reduce storm water pollutants by the use of best management practices. The City of North Pole will adopt requirements identifying BMPs for any activity, operation, or facility that may cause or contribute to pollution or contamination of storm water, the storm drainage system, or waters of the U.S. The owner or operator of a commercial or industrial establishment shall provide, at their own expense, reasonable protection from accidental discharge of prohibited materials or other wastes into the storm drainage system or watercourses through the use of structural and nonstructural BMPs. Further, any person responsible for a property or premises, which is, or may be, the source of an illicit discharge, may be required to implement, at said person's expense, additional structural and nonstructural BMPs to prevent the further discharge of pollutants to the storm drainage system. Compliance with all terms and conditions of a valid ~~NPDES~~ *APDES* permit authorizing the discharge of storm water associated with an industrial activity, to the extent practicable, shall be deemed compliance with the provisions of this section. These BMPs shall be part of a storm water pollution prevention plan (SWPPP) as necessary for compliance with requirements of the ~~NPDES~~ *APDES* permit.

~~12.24.120 Accidental discharge/slugs control plan.~~

~~Any user conducting industrial activities is required to develop and implement an accidental discharge/slugs control plan and shall submit a plan to the City of North Pole which addresses, at a minimum, the following:~~

~~A.—Description of discharge practices;~~

~~B.—Description of stored chemicals, including material safety data sheets (MSDS);~~

~~C.—Procedures for immediately notifying the City of North Pole of any accidental or slug discharge, which notification must also be given for any discharge which would violate any prohibited discharges; and~~

~~D.—Procedures to prevent adverse impact from any accidental or slug discharge. Such procedures include but are not limited to:~~

~~1.—Inspection and maintenance of storage areas;~~

~~2.—Handling and transfer of materials;~~

~~3.—Loading and unloading operations;~~

~~4.—Control of site runoff;~~

~~5.—Worker training;~~

~~6.—Building of containment structures or equipment;~~

~~7.—Measures for containing toxic organic pollutants (including solvents); and/or~~

~~8.—Measures and equipment for emergency response.~~

12.24.130 Watercourse protection.

Every person owning property through which a watercourse passes, or such person's lessee, shall keep and maintain that part of the watercourse within the property free of trash, debris, and other obstacles that would pollute, contaminate, or significantly retard the flow of water through the watercourse. In addition, the owner or lessee shall maintain existing privately owned structures within or adjacent to a watercourse, so that such structures will not become a hazard to the use, function, or physical integrity of the watercourse. Any pollutants discharged into a watercourse through a privately owned system shall constitute an illegal discharge.

12.24.140 Notification of spills.

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation, has information of any known or suspected release of materials which are resulting or may result in illegal discharges or pollutants discharging into storm water, the storm drainage system, or waters of the U.S., said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of nonhazardous materials, said person shall notify the authorized enforcement agency in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the City of North Pole within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least three years.

12.24.150 Enforcement.

A. Notice of Violation. Whenever the City of North Pole finds that a person, public entity, business, or corporation has violated a prohibition or failed to meet a requirement of this chapter, the authorized enforcement agency may order compliance by written notice of violation to the responsible person. Such notice may require without limitation:

1. The performance of monitoring, analyses, and reporting;
2. The elimination of illicit connections or discharges;
3. That violating discharges, practices, or operations shall cease and desist;

4. The abatement or remediation of storm water pollution or contamination hazards and the restoration of any affected property;

5. Payment of a fine to cover administrative and remediation costs; and

6. The implementation of source control or treatment BMPs.

If abatement of a violation and/or restoration of affected property is required, the notice shall set forth a deadline within which such remediation or restoration must be completed. Said notice shall further advise that, should the violator fail to remediate or restore affected property within the established deadline, the work will be done by a designated governmental agency or a contractor, and the expense thereof shall be charged to the violator.

12.24.160 Appeal of notice of violation.

Any person receiving a notice of violation may appeal the determination of the authorized enforcement agency. The notice of appeal must be received within thirty days from the date of the notice of violation. Hearing on the appeal before the appropriate authority or his/her designee shall take place within fifteen days from the date of receipt of the notice of appeal. The decision of the authorized enforcement agency or their designee shall be final.

12.24.170 Enforcement measures after appeal.

If the violation has not been corrected pursuant to the requirements set forth in the notice of violation, or in the event of an appeal, within thirty days of a decision by the authorized enforcement agency upholding the original decision, then representatives of the authorized enforcement agency shall enter upon the subject private property, and are authorized to take any and all measures necessary to abate the violation and/or restore the property. It shall be unlawful for any person, owner, agent or person in possession of any premises to refuse to allow the authorized enforcement agency or designated contractor to enter upon the premises for the purposes set forth above.

12.24.180 Cost of abatement of the violation.

Within ninety days after abatement of the violation, the owner of the property will be notified of the cost of abatement, including administrative costs. The property owner may file a written protest to the authorized enforcement agency objecting to the amount of the assessment within fourteen days. If the amount due is not paid within a timely manner as determined by the decision of the authorized enforcement agency or by the expiration of the time in which to file an appeal, the charges shall become a special assessment against the property and shall constitute a lien on the property for the amount of the assessment. Any person violating any of the provisions of this chapter shall become liable to the authorized enforcement agency by reason of such violation. Interest as allowed by law shall be assessed on the balance beginning on the ninety-first day following discovery of the violation.

12.24.190 Injunctive relief.

It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this chapter. If a person has violated or continues to violate the provisions of this chapter, the authorized enforcement agency may petition for a preliminary or permanent

injunction restraining the person from activities that would create further violations, or compelling the person to perform abatement or remediation of the violation.

12.24.200 Compensatory action.

In lieu of enforcement proceedings, penalties, and remedies authorized by this chapter, the authorized enforcement agency may impose upon a violator alternative compensatory actions, such as storm drain stenciling, attendance at compliance workshops, creek cleanup, etc.

12.24.210 Violations deemed a public nuisance.

A. In addition to the enforcement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provisions of this chapter is a threat to public health, safety, and welfare, and is declared and deemed a nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate may be taken to enjoin or otherwise compel the cessation of such nuisance.

B. It is the duty of the Mayor or his designee receiving information or obtaining knowledge of the existence of any thing or things declared to be nuisances in this chapter to notify the person committing, creating, keeping or maintaining the same to remove or cause the same to be removed within twenty-four hours, or such other reasonable times may be determined by the City official after such notice has been duly given; and if the same is not removed by such person within the time prescribed in the notice, it shall be the duty of the Mayor or his designee to remove or cause to be removed such nuisance or nuisances and all costs and expenses of such removal shall be paid by the persons committing, creating, keeping or maintaining such nuisance or nuisances. A person violating the provisions of this chapter may be punished by a fine of not more than \$200 (two hundred dollars) per violation in addition to any costs and expenses for removal of the nuisance.

12.24.220 Remedies not exclusive.

The remedies listed in this chapter are not exclusive of any other remedies available under any applicable Federal, State, or local law, and it is within the discretion of the authorized enforcement agency to seek cumulative remedies.

Chapter 15.66
CONSTRUCTION SITE STORM WATER RUNOFF

Sections:

- 15.66.010 Introduction – Purpose.
- 15.66.020 Definitions.
- 15.66.030 Applicability.
- 15.66.040 Severability.
- 15.66.050 Ultimate responsibility.
- 15.66.060 Permit.
- 15.66.070 Review and approval.
- 15.66.080 SWPPP requirements.
- 15.66.090 Inspection.
- 15.66.100 Notification of spills.
- 15.66.110 Enforcement.
- 15.66.120 Notice of violation.
- 15.66.130 Appeal of notice of violation.
- 15.66.140 Enforcement measures after appeal.
- 15.66.150 Cost of abatement of the violation.
- 15.66.160 Injunctive relief.
- 15.66.170 Compensatory action.
- 15.66.180 Violations deemed a public nuisance.
- 15.66.190 Criminal prosecution.
- 15.66.200 Remedies not exclusive.
- 15.66.010 Introduction – Purpose

When vegetation is removed or soil is disturbed during the construction process, soil is highly vulnerable to erosion by wind and water. The sediment produced from this erosion endangers water resources by reducing water quality and causing the siltation of aquatic habitat for fish and other desirable species. Sedimentation of storm sewers and ditches also increases maintenance costs to the City of North Pole.

The City of North Pole, City of Fairbanks, University of Alaska Fairbanks, and Alaska Department of Transportation and Public Facilities – Northern Region collectively received a Phase II National Pollutant Discharge Elimination System (NPDES) permit (*hereafter Permit*) from the U.S. Environmental Protection Agency (EPA) on June 1, 2005, to discharge from all municipal separate storm sewer systems (MS4s) into receiving waters, which includes Beaver Springs, Chena River, Chena Slough, Noyes Slough, and other associated waters of the U.S. ~~The Phase II NPDES~~ Permit requires the aforementioned agencies to develop, implement, and enforce a local storm water runoff plan review and inspection program to reduce pollutants in storm water runoff from construction activities within the Fairbanks urbanized area. Therefore, the purpose of this chapter is to empower the City of North Pole to meet the requirements of the ~~Phase II NPDES Permit~~ within the urbanized area of the City of North Pole, as mandated by the EPA. *The Alaska Department of Environmental Conservation (ADEC) assumed authority over the Permit in October 2009 under the Alaska Pollutant Discharge Elimination System (APDES) program. The original Permit Conditions remain in effect.* The objective of this chapter is to

~~reduce the discharge of sediment~~, to the maximum extent practicable, *is to reduce the discharge of sediment and other pollutants resulting* from construction activities to the MS4 and waters of the U.S. This chapter will also promote public and environmental welfare by guiding, regulating, and controlling the design, construction, use, and maintenance of any development or other activity that disturbs or breaks the topsoil or results in the movement of earth on land in the City of North Pole.

15.66.020 Definitions

~~“Alaska Storm Water Pollution Prevention Plan Guide, January 2005” means a publication prepared by the Alaska State Department of Transportation and Public Facilities (DOT&PF), and all future amendments thereto, incorporated by reference into this chapter.~~

Alaska Pollution Discharge Elimination System (APDES) Program: In 2008, the State of Alaska applied to implement the NPDES Program. The EPA approved the application and agreed to transfer program authority to the State over four phases. The State's program is called the Alaska Pollutant Discharge Elimination System (APDES) Program and is administered by ADEC. The initial phase transferred in 2008 and included domestic discharges, log storage and transfer facilities, seafood processing facilities, and hatcheries. Phase II was completed in 2009 and included federal facilities, stormwater, wastewater pretreatment programs, and non-domestic discharges. Phase III was completed in 2010 to include mining activities. November 1, 2012 marked the completion of Phase IV and included wastewater permitting for the oil and gas industry, pesticides, munitions, and any other facilities that had not yet been transferred. New (APDES) regulations were adopted at 18 AAC 83, along with subsequent amendments effective October 23, 2008.

“Best management practices (BMPs)” means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution to the MS4 and waters of the U.S. BMPs also include treatment practices, operating procedures, and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage.

“Clean Water Act (CWA)” means the Federal Water Pollution Control Act (33 USC Section 1251 et seq.), and any subsequent amendments thereto.

“Construction activity” means activities including, but not limited to, clearing and grubbing, grading, excavating, and demolition.

“Design criteria” means the design requirement that BMPs used during construction shall be designed to handle the two-year, six-hour duration storm event without failure of the BMPs and without any degradation to water quality of the receiving water.

“Fairbanks urbanized area” means the area of the Fairbanks North Star Borough delineated by the U.S. Census Bureau consisting of contiguous, densely settled census block groups and census blocks that meet minimum population density requirements, along with adjacent densely settled census blocks that together encompass a population of fifty thousand people; as named by the U.S. Census Bureau on May 1, 2002 (67 FR 21962).

“Hazardous materials” means any material, including any substance, waste, or combination thereof, which because of its quantity, concentration, or physical, chemical, biological, or infectious characteristics may cause, or significantly contribute to, a substantial present or potential hazard to human health, safety, property, or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

“Maximum extent practicable” ~~means the technology-based discharge standard to reduce pollutants in storm water discharges~~ The discharge standard that uses best available technology and methods in order to reduce pollutants entering waters of the U.S. as established by CWA Section 402(p).

“Municipal separate storm sewer system (MS4)” means the conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains):

- A. Designed or used for collecting or conveying storm water;
- B. Which is not a combined sewer;
- C. Which is not part of a publicly owned treatment works; and
- D. Which discharges to waters of the U.S.

“National Pollutant Discharge Elimination System (NPDES)” means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under CWA Sections 307, 318, 402, and 405.

“Pollutant” means anything that causes or contributes to pollution including, but not limited to: dredged spoil, solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial or municipal waste.

“Storm water” means any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation, including ice and snow melt runoff.

“Storm water pollution prevention plan” (*SWPPP*) means a document that describes the BMPs and activities to be implemented by a person or business to identify sources of pollution or contamination at a site, and the actions to eliminate or reduce pollutant discharges to storm water, storm water conveyance systems, and/or receiving waters to the maximum extent practicable.

15.66.030 Applicability

This chapter shall apply to all ground disturbances of one acre or greater within the urbanized area of the City of North Pole ~~for development projects on private property~~ funded by the private

sector, including private development where all or part of the project will be transferred to the City of North Pole at a later date (i.e., roads and associated right-of-way within new subdivisions).

15.66.040 Severability

The provisions of this chapter are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this chapter or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this chapter.

15.66.050 Ultimate responsibility

The standards set forth herein and promulgated pursuant to this chapter are minimum standards; therefore, this chapter does not intend nor imply that compliance by any person will ensure that there will be no contamination, pollution, nor unauthorized discharge of pollutants.

15.66.060 Permit

No person shall be granted a residential or commercial building permit for construction activity that will result in a ground disturbance of greater than or equal to one acre, or result in a ground disturbance less than one acre but will be part of a larger common plan of development or sale that will collectively disturb more than one acre, without the submission of a storm water pollution prevention plan (SWPPP) meeting the requirements set forth in this chapter, and approval by the City of North Pole.

An SWPPP is not required for the following activities:

A. Any emergency activity that is immediately necessary for the protection of life, property, or natural resources.

B. Routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

~~B~~ C. Existing nursery and agricultural operations conducted as a permitted main or accessory use.

~~C~~ D. Small construction activities (less than five acres) meeting the requirements for a rainfall erosivity waiver, total maximum daily load waiver, equivalent analysis waiver, or other waiver detailed in the most recently issued EPA construction general permit.

15.66.070 Review and approval

The City of North Pole will review each SWPPP to determine its conformance with the provisions of this chapter. Within ten business days after receiving a SWPPP, the City of North Pole shall, in writing:

A. Issue a letter of non-objection to the SWPPP;

B. Issue a letter of non-objection to the SWPPP subject to such reasonable conditions as may be necessary to secure substantially the objectives of this chapter, and issue the permit subject to these conditions; or

C. Disapprove the SWPPP, indicating the reason(s) and procedure for submitting a revised application and/or submission.

15.66.080 SWPPP requirements

The SWPPP shall, at a minimum, meet the following requirements:

A. Conformance to the most recently issued ~~EPA NPDES ADEC APDES~~ construction general permit *(CGP) and any existing permit stipulations.*

~~B. Conformance to the most recently issued DOT&PF Alaska Storm Water Pollution Prevention Plan Guide.~~

~~C~~ B. Conformance to any additional standards adopted by the City of North Pole necessary to ensure that construction site operators practice adequate erosion, sediment, and waste control.

~~D~~ C. Be developed by a certified professional in ~~erosion and sediment control~~ *stormwater management* or a professional engineer registered in the State of Alaska.

~~E~~ D. Meet the design criteria that BMPs used during construction shall be designed to handle the two-year, six-hour duration storm event without failure of the BMPs and without any degradation to water quality of the receiving water.

~~F~~ E. Include a copy of the notice of intent submitted to the ~~EPA ADEC~~.

~~G~~ F. Include a signed statement that any land clearing, construction, or development involving the movement of earth shall be in accordance with the SWPPP.

~~H~~ G. Include the name(s) and address(es) of the owner or developer of the site, and of any consulting firm retained by the applicant together with the name of the applicant's principal contact at such firm.

~~I~~ H. Include payment of the SWPPP plan review fee in the amount prescribed by the City of North Pole.

~~J~~ I. Include payment of the construction site inspection fee in the amount prescribed by the City of North Pole.

J. *The SWPPP must be kept on-site and contain a record of the implementation of the SWPPP and other permit requirements, including the installation and maintenance of BMPs, site inspections, and stormwater monitoring.*

15.66.090 Inspection

The City of North Pole will inspect each permitted construction site at least once per year. Access to a construction site for inspection shall not be denied. In addition to other available penalties, any permit issued under this chapter may be immediately suspended until an inspection is conducted. If, during construction, the City of North Pole finds that BMPs are improperly installed, not maintained, or inappropriate for proper erosion, sediment and waste control, any permit issued under this chapter may be immediately suspended until the identified problem is resolved.

15.66.100 Notification of spills

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation, has information of any known or suspected release of materials which are resulting or may result in illegal discharges or pollutants discharging into storm water, the storm drainage system, or waters of the U.S., said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of nonhazardous materials, said person shall notify the City of North Pole in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the City of North Pole within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least three years.

15.66.110 Enforcement

No person shall construct, enlarge, alter, repair, or maintain any grading, excavation, or fill, or cause the same to be done, contrary to or in violation of any terms of this chapter. Any person violating any of the provisions of this chapter shall be deemed guilty of a misdemeanor and each day during which any violation of any of the provisions of this chapter is committed, continued, or permitted shall constitute a separate offense. In addition to any other penalty authorized by this section, any person, partnership, or corporation convicted of violating any of the provisions of this chapter shall be required to bear the expense of such restoration.

In the event that any person holding a residential or commercial building permit pursuant to this chapter violates the terms of the permit or implements site development in such a manner as to materially adversely affect the health, welfare, or safety of persons residing or working in the neighborhood or development site so as to be materially detrimental to the public welfare or injurious to property or improvements in the neighborhood, the City of North Pole may issue a notice of violation, suspend, or revoke the permit.

15.66.120 Notice of violation

Whenever the City of North Pole finds that a person has violated a prohibition or failed to meet a requirement of this chapter, the City of North Pole may order compliance by written notice of violation to the responsible person. Such notice may require without limitation:

A. The performance of monitoring, analyses, and reporting;

- 275
276 B. The elimination of construction storm water discharges, illicit connections or discharges;
277
278 C. That violating discharges, practices, or operations shall cease and desist;
279
280 D. The abatement or remediation of storm water pollution or contamination hazards and the
281 restoration of any affected property; and
282
283 E. Payment of a fine to cover administrative and remediation costs; and
284
285 F. The implementation of source control or treatment BMPs.
286

287 If abatement of a violation and/or restoration of affected property is required, the notice shall set
288 forth a deadline within which such remediation or restoration must be completed. Said notice
289 shall further advise that, should the violator fail to remediate or restore affected property within
290 the established deadline, the work will be done by a designated governmental agency or a
291 contractor and the expense thereof shall be charged to the violator.
292

293 15.66.130 Appeal of notice of violation

294 Any person receiving a notice of violation may appeal the determination of the City of North
295 Pole. The notice of appeal must be received within thirty days from the date of the notice of
296 violation. Hearing on the appeal before the appropriate authority or his/her designee shall take
297 place within fifteen days from the date of receipt of the notice of appeal. The decision of the City
298 of North Pole or its designee shall be final.
299

300 15.66.140 Enforcement measures after appeal

301 If the violation has not been corrected pursuant to the requirements set forth in the notice of
302 violation, or, in the event of an appeal, within thirty days of a decision by the City of North Pole,
303 then the City of North Pole shall enter upon the subject private property, and is authorized to take
304 any and all measures necessary to abate the violation and/or restore the property. It shall be
305 unlawful for any person, owner, agent or person in possession of any premises to refuse to allow
306 the City of North Pole or designated contractor to enter upon the premises for the purposes set
307 forth above.
308

309 15.66.150 Cost of abatement of the violation

310 Within ninety days after abatement of the violation, the owner of the property will be notified of
311 the cost of abatement, including administrative costs. The property owner may file a written
312 protest to the City of North Pole objecting to the amount of the assessment within fourteen days.
313 If the amount due is not paid within a timely manner as determined by the decision of the City of
314 North Pole or by the expiration of the time in which to file an appeal, the charges shall become a
315 special assessment against the property and shall constitute a lien on the property for the amount
316 of the assessment. Any person violating any of the provisions of this chapter shall become liable
317 to the City of North Pole by reason of such violation. Interest as allowable by law shall be
318 assessed on the balance beginning on the ninety-first day following discovery of the violation.
319

320 15.66.160 Injunctive relief

It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this chapter. If a person has violated or continues to violate the provisions of this chapter, the City of North Pole may petition for a preliminary or permanent injunction restraining the person from activities that would create further violations, or compelling the person to perform abatement or remediation of the violation.

15.66.170 Compensatory action

In lieu of enforcement proceedings, penalties, and remedies authorized by this chapter, the City of North Pole may impose upon a violator alternative compensatory actions, such as storm drain stenciling, attendance at compliance workshops, stream cleanup, etc.

15.66.180 Violations deemed a public nuisance

In addition to the enforcement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provisions of this chapter is a threat to public health, safety, and welfare, and is declared and deemed a nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate may be taken to enjoin or otherwise compel the cessation of such nuisance.

15.66.190 Criminal prosecution

Any person that has violated or continues to violate this chapter shall be liable to criminal prosecution to the fullest extent of the law, and shall be subject to criminal penalties and/or imprisonment.

The City of North Pole may recover all attorney's fees, court costs, and other expenses associated with enforcement of this chapter, including sampling and monitoring expenses.

15.66.200 Remedies not exclusive

The remedies listed in this chapter are not exclusive of any other remedies available under any applicable Federal, State or local law, and it is within the discretion of the City of North Pole to seek cumulative remedies.

Chapter 15.74

POST-CONSTRUCTION STORM WATER MANAGEMENT

Sections:

- 15.74.010 Introduction – Purpose.
- 15.74.020 Definitions.
- 15.74.030 Applicability.
- 15.74.040 Responsibility for administration.
- 15.74.050 Severability.
- 15.74.060 Ultimate responsibility.
- 15.74.070 Permit.
- 15.74.080 PSWCP requirements.
- 15.74.090 Notification of spills.
- 15.74.100 Enforcement.
- 15.74.110 Appeal of notice of violation.
- 15.74.120 Enforcement measures after appeal.
- 15.74.130 Cost of abatement of the violation.
- 15.74.140 Injunctive relief.
- 15.74.150 Compensatory action.
- 15.74.160 Violations deemed a public nuisance.
- 15.74.170 Criminal prosecution.
- 15.74.180 Remedies not exclusive.
- 15.74.010 Introduction – Purpose.

Land development and redevelopment projects and associated increases in impervious cover alter the hydrologic response of local watersheds and increase storm water runoff rates and volumes, flooding, stream channel erosion, and sediment transport and deposition. This can be controlled and minimized through the regulation of project design in consideration of post-development storm water runoff quantity and quality.

The City of Fairbanks, City of North Pole, University of Alaska Fairbanks, and Alaska Department of Transportation and Public Facilities – Northern Region collectively received a Phase II National Pollutant Discharge Elimination System (NPDES) Permit (*Permit*) from the U.S. Environmental Protection Agency (EPA) on June 1, 2005, to discharge from all municipal separate storm sewer systems (MS4s) into receiving waters, which includes Beaver Springs, Chena River, Chena Slough, Noyes Slough, and other associated waters of the U.S. *The Phase-II NPDES* Permit requires the aforementioned agencies to develop, implement, and enforce a program to address post-construction storm water runoff from new development and redevelopment projects within the Fairbanks Urbanized Area. Therefore, the purpose of this chapter is to empower the City of North Pole to meet the requirements of the *Phase-II NPDES* Permit within the Urbanized Area of the City of North Pole, as mandated by the EPA. *The Alaska Department of Environmental Conservation (ADEC) assumed authority over the Permit in October 2009 under the Alaska Pollutant Discharge Elimination System (APDES) program. The original Permit conditions remain in effect.* This chapter will also promote public and environmental welfare by guiding, regulating, and controlling the design, construction, use, and

46 maintenance of any development or other activity that disturbs or breaks the topsoil or results in
47 the movement of earth on land in the City of North Pole. (Ord. 09-10 § 2, 2009)

48
49 15.74.020 Definitions.

50
51 *Alaska Pollution Discharge Elimination System (APDES) Program: In 2008, the State of Alaska*
52 *applied to implement the NPDES Program. EPA approved the application and agreed to transfer*
53 *program authority to the State over four phases. The State's program is called the Alaska Pollutant*
54 *Discharge Elimination System (APDES) Program and is administered by ADEC. The initial phase*
55 *transferred in 2008 and included domestic discharges, log storage and transfer facilities, seafood*
56 *processing facilities, and hatcheries. Phase II was completed in 2009 and included federal*
57 *facilities, stormwater, wastewater pretreatment programs, and non-domestic discharges. Phase*
58 *III was completed in 2010 to include mining activities. November 1, 2012 marked the completion*
59 *of Phase IV and included wastewater permitting for the oil and gas industry, pesticides, munitions,*
60 *and any other facilities that had not yet been transferred. New (APDES) regulations were adopted*
61 *at 18 AAC 83, along with subsequent amendments effective October 23, 2008.*

62
63 “Best management practices (BMPs)” means schedules of activities, prohibitions of practices,
64 maintenance procedures, and other management practices to prevent or reduce the pollution to
65 the MS4 and waters of the U.S. BMPs also include treatment practices, operating procedures,
66 and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from
67 raw materials storage.

68
69 “Clean Water Act” (*CWA*) means the Federal Water Pollution Control Act (33 USC Section
70 1251 et seq.), and any subsequent amendments thereto.

71
72 “Construction activity” means activities including, but not limited to, clearing and grubbing,
73 grading, excavating, and demolition.

74
75 “Design criteria” means the design requirement for (1) runoff volume that post-development
76 peak runoff shall be limited to five percent over predevelopment peak runoff based on the ten-
77 year, one-hour duration storm event; and (2) runoff quality that permanent BMPs shall be
78 designed to treat the initial one-half inch of runoff from each storm event, and provide treatment
79 at a minimum of 0.005 inch per minute after the first flush storm event.

80
81 “Fairbanks urbanized area” means the area of the Fairbanks North Star Borough delineated by
82 the U.S. Census Bureau consisting of contiguous, densely settled census block groups and census
83 blocks that meet minimum population density requirements, along with adjacent densely settled
84 census blocks that together encompass a population of fifty thousand people; as named by the
85 U.S. Census Bureau on May 1, 2002 (67 FR 21962).

86
87 “Hazardous materials” means any material, including any substance, waste, or combination
88 thereof, which because of its quantity, concentration, or physical, chemical, biological, or
89 infectious characteristics may cause, or significantly contribute to, a substantial present or
90 potential hazard to human health, safety, property, or the environment when improperly treated,
91 stored, transported, disposed of, or otherwise managed.

“Maintenance agreement” means a signed statement that the owner of the site will operate, maintain, and/or schedule all permanent BMP(s) in accordance with the ~~Permanent Storm Water Control Plan (PSWCP)~~ *permanent storm water control plan*.

“Maximum extent practicable” ~~The discharge standard that uses best available technology and methods in order to reduce pollutants entering waters of the U.S. as established by CWA § 402(p).~~ *means the technology-based discharge standard to reduce pollutants in storm water discharges established by CWA Section 402(p).*

“Municipal separate storm sewer system (MS4)” means the conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains): (A) designed or used for collecting or conveying storm water; (B) which is not a combined sewer; (C) which is not part of a publicly owned treatment works; and (D) which discharges to waters of the U.S.

“National Pollutant Discharge Elimination System (NPDES)” means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under CWA Sections 307, 318, 402, and 405.

“Permanent storm water control plan (PSWCP)” means a document that describes the specific BMPs, and maintenance therein, to be incorporated into the project design to eliminate or reduce pollutant discharges to storm water, storm water conveyance systems, and/or receiving waters to the maximum extent practicable for construction activity that will result in a ground disturbance of greater than or equal to one acre.

“Pollutant” means anything that causes or contributes to pollution including, but not limited to: dredged spoil, solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial or municipal waste.

“Storm water” means any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation, including ice and snow melt runoff. (Ord. 09-10 § 2, 2009)

15.74.030 Applicability.

This chapter shall apply to all ground disturbances ~~of totaling~~ one acre or greater ~~on a common parcel~~ within the urbanized area of the City of North Pole ~~for development projects funded by the private sector, including private development where all or part of the project will be transferred to the City of North Pole at a later date (i.e. roads and associated right-of-way within new subdivisions).~~ *on private property funded by the private sector, including private development where all or part of the project will be transferred to the City of North Pole at a later date (i.e., roads and associated rights-of-way within new subdivisions).* (Ord. 09-10 § 2, 2009)

15.74.040 Responsibility for administration.

The City of North Pole shall administer, implement, and enforce the provisions of this chapter.
(Ord. 09-10 § 2, 2009)

15.74.050 Severability.

The provisions of this chapter are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this chapter or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this chapter. (Ord. 09-10 § 2, 2009)

15.74.060 Ultimate responsibility.

The standards set forth herein and promulgated pursuant to this chapter are minimum standards; therefore, this chapter does not intend nor imply that compliance by any person will ensure that there will be no contamination, pollution, nor unauthorized discharge of pollutants. (Ord. 09-10 § 2, 2009)

15.74.070 Permit.

A. No person shall be granted a residential or commercial building permit for construction activity that will result in a ground disturbance of greater than or equal to one acre, or result in a ground disturbance less than one acre but will be part of a larger common plan of development or sale that will collectively disturb more than one acre, without the submission of a permanent storm water control plan (PSWCP) meeting the requirements set forth in this chapter, and approval by the City of North Pole.

B. Review and Approval. The City of North Pole will review each PSWCP to determine its conformance with the provisions of this chapter. Within ten business days after receiving a PSWCP, the City of North Pole shall, in writing:

1. Issue a letter of nonobjection to the PSWCP;
2. Issue a letter of nonobjection to the PSWCP subject to such reasonable conditions as may be necessary to secure substantially the objectives of this chapter, and issue the permit subject to these conditions; or
3. Disapprove the PSWCP, indicating the reason(s) and procedure for submitting a revised application and/or submission. (Ord. 09-10 § 2, 2009)

15.74.080 PSWCP requirements.

The PSWCP shall be developed by a certified professional in erosion and sediment control or a professional engineer registered in the State of Alaska, and at a minimum include the following:

A. BMP Selection Narrative.

1. Site Description. Provide a description of the property boundary, construction site boundary (area of disturbance), existing soil conditions, and approximate depth to ground water.

2. Site Conditions. Include a summary of pre- and post-developed site conditions including existing and proposed land use, amount of impervious area *existing and proposed*, drainage patterns to and from the site, and any known historical drainage problems such as flooding and/or erosion.
3. Receiving Waters. Include the name and approximate distance (to the nearest one hundred feet) of all receiving waters, including wetlands as defined by the U.S. Army Corps of Engineers, where storm water will discharge. If the storm water discharges to the MS4 (i.e., roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains), identify the point of discharge to the MS4 and the receiving water to which the MS4 outfalls.
4. Pollutant Sources. Include a description of all potential pollutant sources from the proposed land use, which may add pollutants to storm water discharges.
5. BMP Selection. Identify all permanent structural and nonstructural BMPs selected and incorporated into the project design to eliminate or reduce pollutant discharges to storm water, storm water conveyance systems, and/or receiving waters to the maximum extent practicable. For each BMP, also include a description of the methodology used to size and locate each BMP.
6. Operation and Maintenance Procedures. Include a description of all operation and maintenance procedures for each BMP to be installed on site.

B. Site Plan.

1. Site Characteristics. Include the property boundary, construction site boundary, names of all adjacent streets or roadways, north arrow, and scale bar.
2. Construction Plan. Include the location of all planned excavation and fill activities, existing and proposed buildings, surfaced areas, and utility installations.
3. Drainage Patterns. Include approximate slopes (to the nearest percent) and direction of slopes (i.e., flow direction arrows) for both pre- and post-development for all surfaces, ditches, and culverts.
4. Receiving Waters. Identify all surface waters and wetlands within one mile of the construction site, including the location where storm water will discharge to the receiving waters. If the storm water discharges to the MS4, identify the point of discharge to the MS4.
5. Permanent Storm Water Controls. Identify the location of all permanent structural BMPs to be installed on site, as well as all areas where nonstructural BMPs will be implemented.

C. Sizing and Design Information.

1. Include calculations, manufacturers' guidance, or other process decisions showing how all permanent structural BMPs were sized and designed, and their performance goals. At a

minimum, the project must meet the design requirement for (1) runoff volume that post-development peak runoff shall be limited to five percent over predevelopment peak runoff based on the ten-year, one-hour duration storm event; and (2) runoff quality that permanent BMPs shall be designed to treat the initial 0.5 inch of runoff from each storm event, and provide treatment at a minimum of 0.005 inch per minute after the first flush storm event.

D. A signed statement that the owner of the site will operate, maintain, and/or schedule all permanent BMP(s) in accordance with the PSWCP.

E. Payment of the PSWCP plan review fee in the amount prescribed by the City of North Pole. (Ord. 09-10 § 2, 2009)

15.74.090 Notification of spills.

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation has information of any known or suspected release of materials that are resulting or may result in illegal discharges or pollutants discharging into storm water, the storm drainage system, or waters of the U.S., said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of nonhazardous materials, said person shall notify the City of North Pole in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the City of North Pole within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least three years. (Ord. 09-10 § 2, 2009)

15.74.100 Enforcement.

A. No person shall construct, enlarge, alter, repair, or maintain any grading, excavation, or fill, or cause the same to be done, contrary to or in violation of any terms of this chapter. Any person violating any of the provisions of this chapter shall be deemed guilty of a misdemeanor and each day during which any violation of any of the provisions of this chapter is committed, continued, or permitted, shall constitute a separate offense. In addition to any other penalty authorized by this section, any person, partnership, or corporation convicted of violating any of the provisions of this chapter shall be required to bear the expense of such restoration.

B. In the event that any person holding a residential or commercial building permit pursuant to this chapter violates the terms of the permit or implements site development in such a manner as to materially adversely affect the health, welfare, or safety of persons residing or working in the neighborhood or development site so as to be materially detrimental to the public welfare or injurious to property or improvements in the neighborhood, the City of North Pole may issue a notice of violation, suspend, or revoke the permit.

C. Notice of Violation. Whenever the City of North Pole finds that a person has violated a prohibition or failed to meet a requirement of this chapter, the City of North Pole may order

ORDINANCE 17-14

**AN ORDINANCE TO INCUR \$303,000 DEBT FROM A LOW-INTEREST ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION (ADEC) LOAN FOR THE
PURPOSE OF CONSTRUCTING AN EXTENSION TO THE WASTEWATER
TREATMENT PLANT DISCHARGE SEWER MAIN IN RESPONSE TO AN ADEC
NOTICE OF VIOLATION**

WHEREAS, the City of North Pole created its utility system to provide residents with the sanitation, protection and convenience afforded by a municipal utility system and to promote an improved community environment; and

WHEREAS, the Utility has a permit from the Alaska Department of Environmental Conservation (ADEC) allowing the Utility to discharge treated wastewater to the Tanana River; and

WHEREAS, the wastewater treatment plant discharges treated wastewater to the Tanana River via a discharge sewer main; and

WHEREAS, the discharge of treated wastewater to the Tanana River is the last step in the wastewater treatment process where river water dilutes the treated wastewater in a mixing zone; and

WHEREAS, periodically starting in October 2012 the river channel where the Utility discharges treated wastewater there has been a loss of surface water flow; and

WHEREAS, the loss of surface river flow in the discharge channel results in the loss of the Utility's mixing zone; and

WHEREAS, lack of a mixing zone is a violation of the Utility's wastewater discharge permit; and

WHEREAS, in November 2014, the ADEC issued the Utility a Notice of Violation (NOV) of the Utility's wastewater discharge permit for the lack of a mixing zone; and

WHEREAS, the Utility received an engineering estimate that it would cost approximately \$4 million to construct in 2020 an extension to the discharge sewer main to an active channel of the Tanana River to bring the Utility back in compliance with its ADEC wastewater discharge permit; and

WHEREAS, the Utility submitted a request to the ADEC for a \$2 million loan to help finance the design, permitting, construction and construction management of the extension to the discharge sewer main; and

WHEREAS, the Utility has existing capital charges levied on all utility rate payers that generate

sufficient revenues to repay the loan over its 20-year life; and

WHEREAS, the extension of the sewer outfall main is still in the design and permitting stage and the original \$2 million ACWF loan application included construction activities, that therefore the ADEC is unable to offer the City the full \$2 million at this time, but has offered the City an installment of \$303,000 to assist the City with design and permitting costs; and

WHEREAS, the ADEC is prepared to issue the City the balance of the ACWF loan totaling \$1,697,000 after the sewer outfall main design is complete;

NOW, THEREFORE, BE IT RESOLVED that the North Pole City Council approves acceptance of ACWF #633012 for \$303,000 to assist the City with design and permitting costs for the sewer outfall main project.

PASSED AND FORWARDED by a duly constituted quorum of the North Pole City Council this 5th day of June 2017.

Bryce J. Ward, Mayor

ATTEST:

Kathryn M. Weber, MMC
North Pole City Council

PASSED/FAILED

Yes:

No:

Absent:

City of North Pole, Alaska

Fiscal Note

Fiscal Year: 2017 Ordinance#: 17-14

Abbreviated Title: ACWF #633021 \$303,000 loan

Originator/ Sponsor Name William Butler Date: May 9, 2017

Does the Ordinance Have a multiyear fiscal impact? Yes ☒ No ☐

Does the Ordinance add positions beyond the Budget? Yes ☐ No ☒

If yes, how many position? _____ If yes, what type of Position? _____

F- Full Time, P- Part time, T- Temporary

Financial Detail

FUND	Account Description	Account Number	Debits	Credits
43	ACWF #633021 Mixing Zone	43-03-9-902	303,000	
43	ACWF #633021 Mixing Zone	43-00-2-300		303,000

SUMMARY: (Briefly describe the proposed alterations to the budget and why they are needed)

The extension of the sewer outfall main is still in the design and permitting stage and the original \$2 million ACWF loan application included construction activities, that limits what the ADEC can offer. The ADEC has offered the City an installment of \$303,000 to assist the City with design and permitting costs with the balance available when ready for construction.

Prepared by: William Butler Date: 5/9/2017

City Accountant Approval: Tricia Fogarty Date: 5-9-17

NOTE- Fiscal Notes are amendments to the budget, once approved



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Environmental
Conservation

DIVISION OF WATER

Post Office Box 111800
Juneau, Alaska 99811-1800
Main: 907.465.5300
Fax: 907.465.5177
www.dec.alaska.gov

RECEIVED

MAY 1 - 2017

CITY OF NORTH POLE

April 26, 2017

Mr. William H. Butler
Director of City Services
City of North Pole
125 Snowman Lane
North Pole, AK 99705

Re: Loan Agreement for Wastewater Effluent Discharge Phase I - Design Only (ACWF # 633021)

Dear Mr. Butler:

Enclosed for signature is the loan agreement in the amount of \$303,000 for the design portion of the Wastewater Effluent Discharge Phase I project (Alaska Clean Water Fund Loan # 633021). Of this amount, \$60,600 is offered as a funding subsidy for disadvantaged community assistance. The original loan application for \$2,000,000 was for both design and construction. Once the project is designed and a construction estimate supporting the full loan amount is provided to the Department, an increase request for the construction portion can be submitted. The remaining proposed subsidy amount of \$339,400 is expected to be offered at that time.

In addition to the requirements of the loan agreement, the following recommendations were made based on the financial capacity review completed by the Department's contractor:

- (a) Debt Service Reserve Fund. The Borrower should establish a debt service reserve fund to hold one full year of debt service payments.
- (b) Annual CAFR Review. The Department should conduct a review of the Borrower's annual comprehensive annual financial report (CAFR).

While item (a) is a recommendation, the Department strongly suggests that the City take steps to implement it. No action is required by the City in reference to item (b). The Department will review a copy of the Utility's CAFR provided by the State's Division of Finance.

Please return the signed original loan offer to the following address:

Alaska Department of Environmental Conservation
Division of Water, Municipal Matching Grants & Loans Program
Attn: MAT
P.O. Box 111800
410 Willoughby Avenue, Suite 303

Juneau, AK 99811-1800

Upon receipt of the signed original loan offer, the Department will route the document for final signature. A copy of the complete document will be e-mailed to you for your records.

If you have any questions regarding the loan agreement you may contact Carrie Bohan, Program Manager, at 465-5143 or Beth Verrelli, Project Engineer, at 269-7603.

Sincerely,



Michelle Hale
Director

Enclosure: ACWF # 633021 Loan Agreement

ALASKA CLEAN WATER FUND AGREEMENT

ADEC LOAN NUMBER 633021

City of North Pole

Wastewater Effluent Discharge Phase I – Design Only



This agreement is entered into as of April 26, 2017, by the Alaska Department of Environmental Conservation (the Department) and the City of North Pole (the Borrower), acting pursuant to Resolution 16-05 approved by the City of North Pole, for a loan amount of \$303,000 with a term of 20 years for design only of the North Pole Wastewater Treatment Facility. Of this total amount, \$60,600 is offered as a funding subsidy for disadvantaged assistance.

SECTION I - DEFINITIONS

Section 1.1. Except where the context clearly indicates otherwise, terms used in this Agreement will have the meaning ascribed to them in this section.

- (a) “Approved Application” means the application submitted to the Department on July 12, 2016 together with all attachments and supporting documentation, as approved by the Department and the Borrower.
- (b) “Finance Charge Rate” means 1.5 percent per annum.
- (c) “Contract period” means the time period commencing on the date this agreement is signed by the Borrower and terminating on the date the Borrower repays the loan in full.
- (d) “Funding Subsidy” means principal forgiveness amount awarded under this agreement.
- (e) “Default” means the Borrower has failed to make a loan repayment within 90 days of the due date, as determined by the repayment schedule prepared by the Department immediately following initiation of operation of the facility.
- (f) “Eligible Project Costs” include the following costs disbursed from the Alaska Clean Water Fund, estimated to not exceed \$303,000; engineering for the project facility; surveys, planning, estimates, and preliminary design; financial and environmental investigations; laboratory testing, legal expenses; and any other necessary miscellaneous expenditures, minus the amount of any grant applicable foregoing costs.

(g) "Participation Payment" means the amount per year necessary to amortize the loan.

(h) "Project Facility" means the facility to be designed pursuant to this Agreement as described generally in the Approved Application dated July 12, 2016. This project will design an agreed upon alternative to address the Alaska Department of Environmental Conservation Notice of Violation for failure to comply with the conditions of the Alaska Pollutant Discharge Elimination System (APDES) Permit No. AK0021393 for the North Pole Wastewater Treatment Facility.

SECTION II - RIGHTS OF ACCESS

Section 2.1. The Department has the right at all reasonable times to enter the project site, for the purpose of inspecting the facility.

SECTION III - ACQUISITION OF PROJECT SITE, LOAN DISBURSEMENT, AND PAYMENT OF COSTS

Section 3.1. Subject to the terms and conditions of this Agreement, the eligible project costs less other funding sources will be distributed by the Department upon submittal and departmental approval of invoices.

Section 3.2. If this project finishes under the estimated cost, it will be funded only as necessary to complete the project.

Section 3.3. In connection with the design of the project facility, the Borrower agrees that:

(a) The Borrower under the Federal Water Pollution Control Act section 602(b)(13), must certify that they have conducted studies and evaluations for determining the cost and effectiveness of the project. The cost and effectiveness analysis at minimum requires:

(i) the study and evaluation of the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title; and

(ii) the selection, to the maximum extent practicable, of a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account: the cost of constructing the project or activity; the cost of operating and maintaining the

project or activity over the life of the project or activity; and, the cost of replacing the project or activity.

Certification must be provided by the Borrower before proceeding with final design or construction. The Borrower must use the certification form supplied by the Department to ensure compliance with this requirement.

(b) When applicable, Borrower's contracting for all architectural and engineering (A/E) services after October 1, 2014 must comply with the elements of the procurement processes for A/E services as identified in 40 U.S.C. 1101.

Requirements under 40 U.S.C. 1101 are as follows:

- (i) Public announcement of the solicitation (e.g., a Request for Qualifications);
- (ii) Evaluation and ranking of the submitted qualifications statements based on established, publicly available criteria (e.g., identified in the solicitation). Evaluation criteria should be based on demonstrated competence and qualification for the type of professional services required (e.g., past performance, specialized experience, and technical competence in the type of work required);
- (iii) Discussion with at least three firms to consider anticipated concepts and compare alternative methods for furnishing services;
- (iv) Selection of at least three firms considered to be the most highly qualified to provide the services required; and
- (v) Contract negotiation with the most highly qualified firm to determine compensation that is fair and reasonable based on a clear understanding of the project scope, complexity, professional nature, and the estimated value of the services to be rendered. In the event that a contract cannot be negotiated with the most highly qualified firm, negotiation continues in order of qualification.

Section 3.4. The Borrower agrees to administer this loan in a non-discriminatory manner. No person shall be discriminated against based on race, religion, color, national origin, gender or disability. In addition, all contracts issued by the Borrower under this loan agreement must include the following statement:

"The contractor shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor shall carry out applicable requirements of 40 CFR Part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies."

Section 3.5. When applicable, the Borrower will comply with Title I-Employment of the Americans with Disabilities Act of 1990 (P.L. 101-336) and in accordance with Title I of that Act, shall not discriminate against a qualified individual with a disability because of the disability of such individual in regard to job application procedures, the hiring, advancement, or discharge of employees, employee compensation, job training, and other terms, conditions, and privileges of employment.

Section 3.6. When applicable, the Borrower will comply with Title II-Public Services of the Americans with Disabilities Act of 1990 (P.L. 101-336) and in accordance with Title II of the Act, no qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of a public entity, or be subjected to discrimination by any such entity.

Section. 3.7. When applicable, the Borrower will comply with Title II, Part 35, Section 35.151 of the Act "New Construction and Alterations,"

(a) Design and construction: Each facility or part of a facility constructed by, on behalf of, or for the use of a public entity shall be designed and constructed in such manner that the facility or part of the facility is readily accessible to and usable by individuals with disabilities, if the construction was commenced after January 26, 1992.

(b) Alteration: Each facility or part of a facility altered by, on behalf, of or for the use of a public entity in a manner that affects or could affect the usability of the facility or part of the facility shall, to the maximum extent feasible, be altered in such manner that the altered portion of the facility is readily accessible to and usable by individuals with disabilities, if the alteration was commenced after January 26, 1992.

(c) Accessibility standards: Design, construction or alteration of facilities in conformance with the Uniform Federal Accessibility Standards (UFAS) (Appendix A to 41 CFR part 101-19.6) or with the Americans with Disabilities Act

Accessibility Guidelines for Buildings and Facilities (ADAAG) (Appendix A to 28 CFR Part 36) shall be deemed to comply with the requirements of this section with respect to those facilities, except that the elevator exemption contained at section 4.1.3(5) and section 4.1.5(1)(j) of ADAAG shall not apply.

Section 3.8. When applicable, the Borrower will comply with Title III, Part 36, Section 36.401 of the Act "New Construction." Except as provided in paragraph (b) and (c) of the Act, discrimination for purposes of this part includes a failure to design and construct facilities for first occupancy after January 26, 1993, that are readily accessible to and usable by individuals with disabilities.

Section 3.9. When applicable, the Borrower will comply with Title III, Part 36, Section 36.402 of the Act "Alterations."

(a) General: Any alteration to a place of public accommodation or a commercial facility, after January 26, 1992, shall be made so as to ensure that, to the maximum extent feasible, the altered portions of the facility are readily accessible to and usable by individuals with disabilities, including individuals who use wheelchairs.

(b) Alteration: An alteration is a change to a place of public accommodation or a commercial facility that affects or could affect the usability of the building or facility or any part thereof.

Section 3.10. The Borrower shall fully comply with Subpart C of 40 CFR Part 32, entitled "Responsibilities of Participants Regarding Transactions." The Borrower is responsible for ensuring that any lower tier covered transaction, as described in Subpart B of 40 CFR Part 32, entitled "Covered Transactions," includes a term or condition requiring compliance with Subpart C. The Borrower is responsible for further requiring the inclusion of a similar term or condition in any subsequent lower tier covered transactions. The Borrower acknowledges that failing to disclose the information required under 40 CFR 32.335 may result in the delay or negation of this assistance agreement, or pursuance of legal remedies, including suspension and debarment.

Section 3.11. The Borrower will comply with the disadvantaged business enterprise requirements of the State Revolving Loan Fund program, and will require its contractors to also meet these requirements.

Section 3.12. Upon completion of the Project, the Borrower shall provide a statement to the Department of the project final costs by category of expenditure, including but not limited to costs for administration and design.

SECTION IV - PARTICIPATION PAYMENTS BY THE BORROWER

Section 4.1. This loan is made to the Borrower from the Alaska Clean Water Fund for the maximum amount of \$303,000. Of this total amount, no more than 20% of the total amount of funds disbursed is offered to the Borrower as a funding subsidy (as principal forgiveness) up to and not to exceed amount of \$60,600 for disadvantaged assistance. By no later than one year from the date of this agreement, the Borrower must submit disbursement requests equal to \$303,000 in order to receive the fully subsidized amount of \$60,600.

Section 4.2. The Borrower agrees to repay the principal amount and the finance charge rate on all cash draws made to the Borrower according to the repayment schedule, which will be prepared by the Department and confirmed by the Borrower following initiation of operation of the facility. The repayment schedule for the actual amount of loan payments made to the Borrower will provide that:

(a) The Borrower will pay a finance charge of 1.5 percent on each disbursement. Accrual of the finance charge will begin one year after the date of the first disbursement to the Borrower.

(b) The loan amount will be paid back within 20 years following initiation of operation of the facility. Repayment of the loan will be made with either equal annual principal payments plus the finance charge or equal annual total payments including the finance charge. Other repayment methods may be negotiated with the Department.

(c) The first installment payment will be due within one year following substantial completion and initiation of operation of the facility.

Section 4.3. The Borrower assures the Department that the Borrower has not pledged revenues for the repayment of its loan that have been previously pledged or encumbered, unless specifically set forth in the Borrower's approved application. The pledged revenues for repayment of the loan and each separate source of revenue are specifically identified and described in the Borrower's submitted application.

Section 4.4. In the event that any of the revenues pledged by the Borrower for the repayment of its loan are encumbered by a lien of any prior outstanding debt, the Borrower will furnish the Department with legal assurance that the excess of such prior encumbered revenues are legally available for pledging to the Alaska Clean Water Fund.

Section 4.5. The Borrower agrees that if pledged revenues are insufficient to meet any loan payment to the Department when due, the Borrower will pay the deficiency in its loan payment from any legally available funds accruing to or in the possession of the Borrower. Repayment of the loan which is the subject of this loan agreement shall not be a direct and general obligation of the Borrower.

Section 4.6. If a repayment is received by the Department more than 30 days after it is due, the Borrower will be subject to a late charge in accordance with the following conditions.

If the Borrower is in good standing with the Department and has no late payments on any loans within the last five years:

- (a) And a payment is more than two months late a 1% charge will be applied against the outstanding amount due.
- (b) And a payment is more than three months late a 3% charge will be applied against the outstanding amount due.
- (c) And a payment is more than four months late a 5% charge will be applied against the outstanding amount due.

If the Borrower has had late loan payments in the last five years.

- (a) And a payment is more than one month late a 1% charge will be applied against the outstanding amount due.
- (b) And a payment is more than two months late a 3% charge will be applied against the outstanding amount due.
- (c) And a payment is more than three months late a 5% charge will be applied against the outstanding amount due.

Additionally, interest on the unpaid balance will continue to accrue at the contract interest rate and must be paid in addition to the late charge. Payments in arrears when the 5% late charge is assessed will be referred to the Department of Law for collection.

Section 4.7. The Borrower agrees that it will separately account for all monies received from the Alaska Clean Water Fund and will maintain project accounts in accordance with generally accepted governmental accounting principles.

Section 4.8. The provisions of AS 37.15.575 relating to state aid interception apply to the loan made under this agreement.

SECTION V - AUDIT

Section 5.1. The Borrower agrees to submit a financial report for the design portion of the project for Departmental approval within one year after completion of the plans and specifications.

Section 5.2. Financial assistance received under this loan agreement is considered federal assistance and is to be included when determining the threshold amount for a Federal Single Audit. However, financial assistance received under this loan agreement is not subject to State Single Audit.

SECTION VI - MISCELLANEOUS PROVISIONS

Section 6.1. Any disbursement or repayment made under this Agreement by the Department or Borrower shall be delivered by electronic transfer, registered or certified mail, courier service or delivered personally.

- (a) Any repayment addressed to the Department will be sent or delivered personally to:

Alaska Department of Environmental Conservation
Division of Water – Municipal Grants & Loans Program
ATTN: MAT
410 Willoughby Avenue, Suite 303
P.O. Box 111800
Juneau, Alaska 99811-1800

- (b) Any disbursement addressed to the Borrower will be sent to or delivered personally to:

City of North Pole
125 Snowman Lane
North Pole, AK 99705

Section 6.2. Disbursement Requests and Progress Status Reports shall be submitted to the Department via the Division of Water's Online Application System (OASys). OASys may be accessed at the following link:

<http://dec.alaska.gov/water/MuniGrantsLoans/index.htm>

At minimum, Disbursement Requests must be submitted to the Department quarterly, but no more frequently than once per month.

Progress Status Reports must be submitted to the Department on a quarterly basis, within 30 days following the end of each quarter.

Should the Borrower fail to submit quarterly progress status reports as required, the Department will not process subsequent pay requests until all outstanding quarterly report(s) are received.

Section 6.3. Departmental approvals required by this Agreement will not be unreasonably withheld.

Section 6.4. This Agreement is made subject to, and conditional upon, the availability of funds.

Section 6.5. This Agreement is effective as of the date set forth above and continues in full force and effect until the final day of the Contract Period.

Section 6.6. This Agreement is binding upon the parties specified below, and to any person, office, or board succeeding either of the parties. This Agreement may not be assigned by the Borrower without written consent of the Department.

Section 6.7. The Department may cancel all or any part of this agreement if:

(a) Any representation or other statement made by the Borrower to the Department in connection with its application for a loan from the Alaska Clean Water Fund is incorrect or incomplete in any material respect;

(b) The Borrower has violated commitments made by it in its Approved Application and supporting documents, has not adhered to the regulations of the Alaska Clean Water Fund (18 AAC 76), has violated any of the terms of this Loan Agreement; or

(c) The financial position of the Borrower has, in the opinion of the Department, suffered a materially adverse change.

Section 6.8. No portion of this loan amount may be used for lobbying or propaganda purposes as prohibited by 18 U.S.C. Section 1913 or Section 607(a) of Public Law 96-74.

Section 6.9. Nothing in this agreement, whether or not accepted, may be deemed to constitute a contractual obligation on the part of the Department until the Agreement is signed by all parties.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

By: Michelle Hale
Michelle Hale, Director
Division of Water

**ACKNOWLEDGEMENT
STATE OF ALASKA
First Judicial District**

The foregoing instrument was acknowledged before me this 27th day of April, 2017



Notary Public, State of Alaska

My commission expires: _____

CITY OF NORTH POLE

By: _____

**ACKNOWLEDGEMENT
STATE OF ALASKA
First Judicial District**

The foregoing instrument was acknowledged before me this _____ day of _____, 2017

Notary Public, State of Alaska

My commission expires: _____

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

By: _____

Nikolay Barkov, Finance Officer
Division of Administrative Services

**ACKNOWLEDGEMENT
STATE OF ALASKA
Third Judicial District**

The foregoing instrument was acknowledged before me this _____ day of
_____, 2017

Notary Public, State of Alaska

My commission expires: _____

CITY OF NORTH POLE

ORDINANCE 17-15

**AN ORDINANCE TO ALLOW MULTIPLE WATER METERS AT PROPERTIES
WITH MULTIPLE OCCUPANCIES AND TO ALLOW A SINGLE CUSTOMER
SEWER SERVICE LINE AT PROPERTIES WITH MULTIPLE OCCUPANCIES**

WHEREAS, the City of North Pole created its utility system to provide residents with the sanitation, protection and convenience afforded by a municipal utility system and to promote an improved community environment; and

WHEREAS, changes to the public services practices and policies is a continually changing requirement; and

WHEREAS, the City of North Pole Municipal Code should be amended to conform to the requirements of the City and its residents.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of North Pole:

Section 1. This ordinance is of a general and permanent nature and shall be codified.

Section 2. Title 13, Chapter 13.16 Water Services, Section 13.16.030 Multiple Water Services and Chapter 13.20 Sewer Services, Section 13.20.020 Policies and conditions of service shall be amended in the North Pole Code of Ordinances as follows in the attached revised sections.

Section 3. Effective date.

This ordinance shall become effective immediately upon passage.

PASSED AND APPROVED by a duly constituted quorum of the North Pole City Council this 5th day of June, 2017.

Bryce J. Ward, Mayor

ATTEST:

Kathryn M. Weber, MMC
North Pole City Clerk

PASSED/FAILED Yes: No: Absent:

Multiple Water Services

13.16.030 Multiple water services.

In buildings occupied by two or more water customers, the water service to each customer must be individually metered and adequately valved to permit disconnection of any customer without interrupting service to the other customers in the building. Existing services that do not meet these requirements will be disconnected, unless the owner of the building has *done one of the following*:

A. ~~Secure a contract arrangement~~ *Entered into a written contract* with ~~an approved a~~ contractor *licensed by the state* to modify the water service to meet ~~these~~ the following requirements. ~~÷ or~~

- 1. All plumbing connections installed to provide multiple metering from a single master service line must comply with the City of North Pole Service Line Requirements for Water and Wastewater Commercial and Residential Structures and the provisions of the latest version of the Uniform Plumbing Code and amendments adopted by the City.*
- 2. The property owner must submit a scaled drawing with a scale of no less than 1 inch equals 1 foot in the drawing of the water meter installation.*
- 3. The property owner must install plumbing such that each dwelling unit receiving water services is plumbed separately.*
- 4. Adequate space must be provided between individual water meters such that they can be manually read by the Utility and there is adequate space to repair or replace a meter.*
- 5. The water meters must be in a heated secure location readily accessible by the Utility.*
- 6. The Utility shall inspect any multi-metered dwelling's utility connections before authorizing the installation of water meters and before providing water service to the dwelling.*
- 7. Tampering with water meters is a violation of North Pole Municipal Code and violation of these provisions may result in termination of individuals' water service or termination of water service to the entire dwelling at the sole discretion of the Utility. See sections 13.08.070 A and B; 13.12.060; 13.12.150; 13.16.060 A.*
- 8. The service line from the water main to the water meters is the sole responsibility of the property owner. (See 13.16.020 D.)*

B. Has contracted to be the sole customer for the water service and has had a master water meter installed to meter all water used in the building; or

C. Has entered into an agreement with the North Pole Utility to guarantee payment of all water service into the building.

(Ord. 16-16 § 2, 2016; Ord. 12-03 § 2, 2012; Ord. 82-8 § 3.C, 1982)

Multiple Sewer Services

13.20.020 Policies and conditions of service

S. Building Sewers. All building sewers shall be installed in complete accordance with *City of North Pole Service Line Requirements for Water and Wastewater Commercial and Residential Structures and* provisions of the *latest version of the* Uniform Plumbing Code *and amendments adopted by the City.*

T. Service Connection.

7. Individual Sewer Services. Independent and separate sewer services shall be provided on each lot for all buildings within the City or that are to be ultimately connected to the municipal sewer system. Common sewer services are expressly prohibited in zero lot line and townhouse developments. Condominiums or planned unit developments with specific association agreements subject to the City's review and satisfaction may be allowed as exceptions. The customer provides and pays for all expenses required to install the necessary sewer pipe, fittings, cleanouts, manholes and pump stations required to connect the property to the City sewer at the point of connection designated by the Utility Supervisor or his designated representative.

a. *Exceptions where the Utility has approved a single customer service line to serve multiple utility customers at a single property, as in duplex or multiplex properties, the property owner shall be responsible for the customer sewer line from the sewer main to the property. (See 13.20.020, U.)*

10. Installation of sewer stub line and sewer connections:

a. All sewer stub lines shall be installed and mains tapped by a contractor licensed by the State. As a prerequisite to commencing any work on the Utility, the contractor shall furnish:

- i. Contractor's license (State of Alaska);
- ii. Proof of workman's compensation insurance, if required by law;
- iii. A bond in the amount of \$5,000 (five thousand dollars);
- iv. Other proof of capability to perform such work as required by the Director of City Services.

b. The party or parties installing the building sewer line portion outside the street right-of-way need not meet the requirements of a bonded contractor as outlined above, but they shall make the City aware of their capabilities to perform such work. Those installing this portion of the ~~water sewer~~ service line will, however, be required to meet the same material and workmanship qualifications outlined in the City of North Pole standard of construction specifications.

1 U. Maintenance and Repair. ~~Users~~ The property owner shall be responsible for all maintenance
2 and repair of their service line, connection cleanouts, backwater valves, and shall further be
3 responsible for the removal of soft plugs or debris which accumulate in their service line or
4 connection as well as frozen service line and connections. ~~Users~~ The property owner shall ensure
5 that all-weather access is available to sewer system personnel for cleanouts, valves, control
6 manholes and pretreatment facilities located on user property.

**CITY OF NORTH POLE
ORDINANCE 17-16**

**AN ORDINANCE OF THE CITY OF NORTH POLE, ALASKA TO
AMEND THE 2017 JAG/BYRNE GRANT TO PURCHASE AN
UNDERCOVER VEHICLE FOR USE BY NPPD**

WHEREAS, the State of Alaska has modified the 2017 JAG/BYRNE Grant to assist the City of North Pole with the purchase of an undercover vehicle; and

WHEREAS, the City of North Pole needs to replace the current vehicle in order to maintain undercover operations in the State Wide Drug enforcement unit; and

WHEREAS, the current vehicle being used in the unit has reached its end of use in the unit and will be moved to unmarked status inside the police department; and

WHEREAS, the funds received from the JAG/BYRNE grant will be \$13,344.00 which is an increase of \$937.00; and

WHEREAS, unspent funds in the Personnel and Fringe Benefits will be moved to the Equipment Expense line to cover the above costs placing the Personnel line item funding to \$54,585.00 and the Fringe Benefit line item to \$40,958.00; and

WHEREAS, the overall grant award will now total \$108,887.00.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of North Pole that it approves the transfer of funds from Personnel and Fringe benefits to Equipment Expense in the 2017 Jag/BYRNE grant and accepts a grant increase of \$ 937.00 and allows the purchase of a new undercover vehicle at a cost of \$13,344.00.

Section 1. This ordinance is of a general nature and shall not be codified.

Section. Effective date.

This ordinance shall become effective immediately upon passage.

PASSED AND APPROVED by a duly constituted quorum of the North Pole City Council this 5th day of June, 2017.

Bryce J. Ward, Mayor

ATTEST:

Kathryn M. Weber, MMC
North Pole City Clerk

PASSED/FAILED Yes: No: Absent:

ALASKA DEPARTMENT OF PUBLIC SAFETY
DIVISION OF ADMINISTRATIVE SERVICES
GRANTS SECTION

Grantee Name: City of North Pole
Project Name: Multi-jurisdictional Task Force
Program Name: Justice Assistance Grant (JAG)
Grant Award Number: 17-100

GRANT AGREEMENT ADDENDUM ONE

Property Standards

Equipment and Supplies Acquired with Edward Byrne Memorial Justice Assistance Grant Program Funds.

The Department of Justice expects recipients and sub recipients of Federal funds to use good judgement when purchasing, managing, and disposing of property paid for by Federal funds. If a recipient or sub recipient uses award funds to purchase new property when suitable property is already available within the relevant organization, this use will be considered an unnecessary expenditure.

Special rules set out in 42. U.S.C. 3789 (a provision of the Omnibus Crime Control and Safe Streets Act of 1968), apply to the ownership, use and disposition of equipment and supplies purchased with Edward Byrne Memorial Justice Assistance Grant Program (Byrne JAG) funds awarded by the Bureau of Justice Assistance (BJA).

- Title to all equipment and supplies purchased with Byrne JAG funds vest in the criminal justice agency or non-profit organization that purchased the property, if it certifies to the State Office that it will use the property for criminal justice purposes.
- If such certification is not made, title to the property shall vest in the State Office, which shall seek to have the property used for criminal justice purposes elsewhere in the State prior to using or disposing of it in any other manner.
- When equipment is no longer needed for criminal justice purposes, a State should dispose of equipment (for both the State and sub recipients) in accordance with State procedures, with no further obligation to the award agency.

Property Definition

Property includes both 1) *real property* which typically includes land and buildings; and 2) *personal property*, which includes both a) tangible personal property, which is classified as either equipment or supplies; and b) *intangible personal property*, which includes things having no physical existence, like trademarks, copy rights, and patents. (See definitions in 2 C.F.R 200.1)

Property Screening and Management Systems

Careful screening should take place before purchasing property to ensure that it is needed. An effective property management system should be established and maintained to avoid incurring property acquisition costs that are later disallowed by the awarding agency (e.g., acquiring unreasonable, duplicative, or unnecessary property).

Equipment Ownership

Title to equipment acquired under a Federal award will vest in the recipient or sub recipient's organization. The legal right of ownership and conditions for use, management, and disposal of equipment are set forth in 2 CFR 200.313.

Use of Equipment

Recipients and sub recipients must use equipment acquired under an award for the authorized program or project purposes for which it was acquired as long as needed, whether or not the project or program continues to be supported by Federal funds. When no longer needed for the original program or project, the equipment may be used in other activities currently or previously supported by a Federal agency.

Management of Equipment

Recipients and sub recipients must use procedures for managing equipment (including replacement equipment) acquired in whole or in part under a Federal award, until disposition takes place, that, at a minimum meet the following requirements:

Property records – maintain property records that include description of property, serial number or other identification number, source of property (federal program name and award number), Identification of the title holder, Acquisition date, cost of the property, percentage of Federal participation in the cost of the property, location of the property, use and condition of the property, disposition data, include the date of disposal and sale price.

Inventory – a physical inventory must be taken of the property and reconcile the results with the property records at least once every two years.

Maintenance – establish and use adequate maintenance procedures to keep the property in good condition.

Control System – have a control system in place with adequate safeguards to prevent loss, damage, and theft.

Proper sales procedures – if authorized or required to sell the property, the recipient or sub recipient must establish proper sales procedures to ensure the highest possible return.

*The **City of North Pole** hereby certifies that it will use the property purchased with Edward Byrne Memorial Justice Assistance Grant (JAG) Program funds for criminal justice purposes as outlined above and per the DOJ Grants Financial Guide at <https://ojp.gov/financialguide/DOJ/index.htm>, and will submit an equipment/inventory log provided by the Alaska Department of Public Safety at the end of each grant period.*

Bryce Ward, Mayor

Authorized Signer

DATE

STATE OF ALASKA
Department of Public Safety
Division of Administrative Services

GRANT AMENDMENT

GRANTEE		DEPARTMENT																			
NAME: City of North Pole ADDRESS: 125 Snowman Lane CITY: North Pole, AK 99705		NAME: Department of Public Safety ADDRESS: 5700 E. Tudor Road CITY: Anchorage, AK 99502																			
CONTACT: Chad Rathbun TITLE: Lieutenant		CONTACT: April Carlson @ TITLE: Grants Manager 58-17																			
PHONE: 907-488-6902 EMAIL: crathbun@northpolepolice.org		PHONE: 907-269-5082 EMAIL: april.carlson@alaska.gov																			
AWARD INFORMATION																					
PROJECT NAME: Multi-jurisdictional Task Force		GRANTEE DUNS: 015680010																			
PROGRAM NAME: Edward Byrne Memorial Justice Assistance Grant (JAG)		GRANT AWARD: 17-100																			
FEDERAL AWARD: 2016-DJ-BX-0968 - \$51,496 / 2015-DJ-BX-0560 - \$57,391		PROGRAM CFDA: 16.738																			
AWARD AMOUNT: \$108,887.00	AMEND DATE: Dept Signature	REQUIRED MATCH: No																			
PROJECT START: February 22, 2017	PROJECT END: December 31, 2017	RISK ASSESSMENT: Yes																			
BUDGET AMENDMENT																					
Cost Category	Original AMOUNT	Amend One	Amend Two	Amend Three	Amended Budget																
Personnel	62,207.00	(7,622.00)	-	-	54,585.00																
Fringe	45,743.00	(4,785.00)	-	-	40,958.00																
Equipment	-	13,344.00	-	-	13,344.00																
TOTAL \$ 107,950.00		\$ 937.00	\$ -	\$ -	\$ 108,887.00																
<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th>Funding Source:</th> <th>Original Budget</th> <th>Amendments</th> <th>Total Project</th> </tr> <tr> <td>2016-DJ-BX-0968</td> <td style="text-align: right;">\$ 50,559.00</td> <td style="text-align: right;">\$ 937.00</td> <td style="text-align: right;">\$ 51,496.00</td> </tr> <tr> <td>2015-DJ-BX-0560</td> <td style="text-align: right;">\$ 57,391.00</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 57,391.00</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$ 107,950.00</td> <td style="text-align: right;">\$ 937.00</td> <td style="text-align: right;">\$ 108,887.00</td> </tr> </table>						Funding Source:	Original Budget	Amendments	Total Project	2016-DJ-BX-0968	\$ 50,559.00	\$ 937.00	\$ 51,496.00	2015-DJ-BX-0560	\$ 57,391.00	\$ -	\$ 57,391.00	TOTAL	\$ 107,950.00	\$ 937.00	\$ 108,887.00
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TOTAL	\$ 107,950.00	\$ 937.00	\$ 108,887.00																		
AMENDMENT JUSTIFICATION																					
<p>Amend One: The original budget funded 11 months of personnel/fringe and OT; the award was not signed until 02/22/17 pending city council approval reducing the project period to 10 months. A vehicle will be purchased for the drug enforcement officer to conduct undercover operations with the excess personnel/fringe and OT; and an increase of \$937 to the total award amount.</p>																					
GRANTEE AUTHORIZATION			DEPARTMENT AUTHORIZATION																		
NAME/TITLE: Bryce Ward, Mayor			NAME/TITLE: Colonel James E. Cockrell, Director																		
SIGNATURE:			SIGNATURE:																		
DATE:			DATE:																		

PERSONNEL BUDGET DETAIL

PERSONNEL - List each position by title and name of employee if available. Show the monthly salary amount, number of months, and percentage of time to be devoted to the project. Compensation paid for employees engaged in grant activities must be consistent with that paid for similar work within the applicant organization.

POSITION TITLE/NAME	MONTHLY AMOUNT	QTY	% TIME	TOTAL
Officer Bruce Milne - Salary \$65,499/year	\$ 5,458.52	10	100%	\$ 54,585.20
				\$ -
				\$ -
				\$ -
SUBTOTAL				\$ 54,585.20

FRINGE BENEFITS - Fringe benefits should be based on actual known costs or an established formula. Fringe benefits are for the personnel listed above and only for the percentage of time devoted to the project. Fringe benefits on overtime hours are limited to FICA, Workman's Compensation, and Unemployment Compensation.

POSITION TITLE/NAME	MONTHLY AMOUNT	QTY	% TIME	TOTAL
PERS: Salary \$65,499 x 22% = \$14,409.78	\$ 1,200.82	10	100%	\$ 12,008.20
Medicare: Salary \$65,499 x 6.2% = \$4060.94	\$ 338.41	10	100%	\$ 3,384.10
Workers Comp: Salary \$65,499 x 5.46% = \$3,576.25	\$ 298.02	10	100%	\$ 2,980.20
Health Care: 2080 hrs/yr x \$13.03/hr = \$27,102.40	\$ 2,258.54	10	100%	\$ 22,585.40
				\$ -
SUBTOTAL				\$ 40,957.90

Personnel/Fringe

TOTAL \$ 95,543.10

EQUIPMENT BUDGET DETAIL

EQUIPMENT - List non-expendable items that are to be purchased. Non-expendable equipment is tangible property having a useful life of more than one year. (e.g. vehicles, radios, computers, cameras, etc.)

DESCRIPTION	AMOUNT	QTY	TOTAL
Undercover vehicle for drug enforcement	\$ 13,344.00	1	\$ 13,344.00
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -

TOTAL \$ 13,344.00

BUDGET SUMMARY

BUDGET CATEGORY	AMOUNT
Personnel	\$ 54,585.20
Fringe	\$ 40,957.90
Travel	\$ -
Contractual	\$ -
Supplies	\$ -
Equipment	\$ 13,344.00

Total	\$ 108,887.10
Original Budget	\$ 107,950.00
Amend 1	\$ 937.00
Amended Budget	\$ 108,887.00

City of North Pole, Alaska

Fiscal Note

Fiscal Year: 2017 Ordinance#: 17-16

Abbreviated Title: Amend 2017 JAG/Byrne Grant to Purchase Vehicle for use by NPPD

Originator/ Sponsor Name Chief Dutra Date: May 9, 2017

Does the Ordinance Have a multiyear fiscal impact? Yes ☐ No ☒

Does the Ordinance add positions beyond the Budget? Yes ☐ No ☒

If yes, how many position? _____ If yes, what type of Position? _____

F- Full Time, P- Part time, T- Temporary

Financial Detail

FUND	Account Description	Account Number	Debits	Credits
Jag -11	Wages Full Time	11-10-1-001		5,456.00
Jag -11	Benefits	11-10-1-003		1,540.00
Jag -11	PERS	11-10-1-004		1,225.00
Jag -11	Overtime Regular	11-10-1-007		2,166.00
Jag -11	Health Insurance	11-10-1-013		2020.00
Jag -11	Jag Grant Revenue	11-00-3-900		937.00
Jag -11	Misc Expenses	11-10-9-920	13,344.00	
	Total		13,344.00	13,344.00

SUMMARY: (Briefly describe the proposed alterations to the budget and why they are needed)

Amending 2017 Jag/Byrne grant to purchase a vehicle for use by NPPD.

Prepared by: Mayor Ward Date: May 9, 2017

City Accountant Approval: Tricia Fogarty Date: May 9, 2017

NOTE- Fiscal Notes are amendments to the budget, once approved