



CITY OF NORTH POLE *Alaska*

MONDAY, MAY 1, 2017
Violations Committee Meeting
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**
 - Swearing in of Officer Brian Meyer

Proclamations

 - Grange Month
 - National Day of Prayer
 - Municipal Clerks Week
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 17-11, An Ordinance of the City of North Pole, Alaska to amend 2017 budget to transfer funding to the Litigation Fund

12. 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.

13. Council Comments

14. 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.



**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, April 17, 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, April 17, 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 Doug Isaacson

APPROVAL OF AGENDA

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

Seconded by Mr. Isaacson

DISCUSSION

None

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

- a.** Ordinance 17-08, An Ordinance amending Title 2, Personnel Code, section 2.36.230 training.

- c. Ordinance 17-10, An Ordinance of the City of North Pole, Alaska to amend 2017 Police Department Budget.

New Business

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

Seconded by Mr. Isaacson

Discussion

None

On the amendment

PASSED

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

No: 0

Absent: 1 - Thompson

On the Agenda as amended

Discussion

None

PASSED

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

No: 0

Absent: 1 - Thompson

APPROVAL OF MINUTES

Mr. McGhee moved to approve the Minutes of April 3, 2017

Seconded by Mr. McCarthy

Discussion

None

PASSED

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

No: 0

Absent: 1 - Thompson

COMMUNICATIONS FROM THE MAYOR

MAYORS REPORT

The Violations Committee will be meeting before the first meeting of every month in the Council Chambers starting at 530pm. 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: April 24th, 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 the High School as a possible festival location.

April 21st is Earth Day, I will be attending the annual earth day event at Ft. Wainwright and signing a proclamation with the other mayors and the post garrison commander.

April 28th is the 49th military appreciation banquet put on by the Greater Fairbanks Chamber of Commerce, if you are interested in attending contact the chamber. Tickets are for four, two military guest and two host.

On April 25th at 11am the Mayors and the Police Department are going to be giving a 5 min spotlight at the Fairbanks Chamber general members luncheon for the memorial park and the memorial service to be held May 1st at 11am at the park.

- **Proclamation**
McKinley Putnam – NPHS
Mackenzie O'Connor – NPHS
Eddy Zhu – NPMS
- **Fairbanks Soil and Water Conservation District**
Joni Scharfenberg

COUNCIL MEMBER QUESTIONS OF THE MAYOR

None

COMMUNICATIONS FROM DEPARTMENT HEADS, BOROUGH REPRESENTATIVE AND THE CITY CLERK

Fire Dept., Chief Coon

- April 29th is clean up day and clean up bags are available at the North Pole Fire Dept.
- Chief Coon will be attending a 2 day "Threat Hazard Identification" class.

- The North Pole Open House is on May 20th.
- Training is ongoing with our fire apparatus driver operator class. The is a state class that is taught in house at almost no cost.
- Staff will be conducting pre fire inspections of our commercial buildings this summer. These inspections are used to assist us with contact information and make us more familiar with the building should an emergency occur at the business.
- Tanya Stugart was awarded EMS prehospital provider of the year at the 2017 symposium. Tanya Stugart is a Firefighter/Paramedic with us and has recently transitioned from part time to full time. Chief Coon stated how proud he is of Tanya and all of our paramedics. NPFD currently has six staff members that are paramedics and we are very lucky to have them.

Police Dept., Chief Dutra

- We are going to be at close to minimum staffing levels for most of summer. Lieutenant and Detective both are in active patrol schedule. This will leave us 2-3-2 – Any vacations will cause shift rotations and significant impacts to officer routine. Don't want these sacrifices to go on without the council understanding how much dedication these officers have to making sure shifts are covered.
- New cars will be in Anchorage end of May.
- Nomination for the fourth year Family Friendly workplace award
- Inventory software study is complete we will discuss this at Dept Meeting
- Hired our final slot – Brian Meyer will start May 1.
- Rec'd \$400 for State Forfeiture and \$6200 from Federal Forfeiture,
- Drug take back April 29th 10-2. Working with Fairbanks Wellness coalition.
- Software upgrade for OSSI RMS and CJIS Audit coming up tomorrow.

Memorial Park

- Flag poles going up this week or early next week.
- Met with Alasconnect on Camera systems.
- Six plaques for Grand Opening May 1st.

- Planning is in full swing – lots of logistics for ceremony.
- Corevette is due to be displayed at APOA concert on the 14th.
- Pick up tickets if you have not already.
- Spread the word on the fundraiser.

Finance, Tricia Fogarty

- Financials will be given to council when the bank rec is finished.
- Sally Terch has moved to the Accounts Payable position.
- There will be an administrative fiscal note for the recruitment in Admin.

Director of City Services, Bill Butler

None

Borough Representative

- The Fairbanks North Star Borough is working on their budget for 2017-2018.
- ORDINANCE 2017-28 garnered significant discussion that went till after 10:30 pm, unfortunately... I had to go home and go to bed but the ordinance was defeated 3-4 and the Borough will continue its non-sectarian prayer at the beginning of the meeting.
- COC: RESOLUTION 2017-11 Authorizes the Mayor to acquire by lease an area to open a central recycling center.
- COC: 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.
- COC: Ordinance 2017-20-2F amends the budget to accept additional grant funding

City Clerk's Office, Kathy Weber

- None

ONGOING PROJECTS

- none

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

Dawn Murphy, Explore Fairbanks

Ms. Murphy stated that she was the Director of Finance and Administration at Explore Fairbanks. The council should have received a copy of the 2016 audit today. On March 29th Garry Hutchison, their independent auditor with Kohler, Schmitt and Hutchison presented the FCVB Board with an unqualified or clean opinion for their 2016 audit. No material weaknesses or deficiencies in their internal controls were detected during the audit process.

Ms. Murphy also distributed a copy of the finalized hotel/motel bed tax revenues number for 2016. She said 2016 set a record high for collections within the Fairbanks North Star Borough area including the cities of Fairbanks and North Pole, exceeding \$5 million for the first time ever. This is nearly a 9% increase over 2015. Analyzing the summer/winter collections, the average growth of the five-month (May through September) summer period was flat. Whereas, the seven-month (October through April) winter period grew an average of 6%. The winter October 2015 through April 2016 was 33% higher than the winter of 2007/2008. Developing the aurora and winter tourism seasons has strengthened the local travel industry providing more year-round jobs. Winter growth is also reflected in increases at the Fairbanks International Airport and Alaska Railroad winter rail service.

Council should have received their invitation to FCVB annual Award Banquet on Friday, April 21st at Raven Landing Center at 6:00 p.m. Ms. Murphy hoped that some of the council could attend and help recognize some of FCVB partners in the visitor industry for their achievements and dedication as well as Explore Fairbanks 40th Anniversary.

On Saturday, May 6th, “Know Your Own Backyard” FCVB will be hosting a tour starting at 9:00 am at the Morris Thompson Cultural and Visitor Center. This is a great opportunity for those new to the community, working in the visitor industry or someone looking for something new to do to come out and learn about all the wonderful opportunities within our region.

Friday, May 12th is the 15th Visitor Industry Walk for Charity, also known as the “4k graze”. In the prior 14 years, \$334,855 has been raised for local non-profits. In 2016, 51 area non-profits registered and 548 participants walked to raise funds for them. This year 55 non-profits registered. Registration for walkers is open at www.explorefairbanks.com/charity_walk. If you are not interested in eating your way through downtown, Explore Fairbanks is always looking for volunteers for the start/finish lines and crossing guards. Contact Charity Gadapee at Explore Fairbanks for more details. Ms. Murphy thanks the council for reinvesting bed tax dollars into destination marketing.

OLD BUSINESS

ORDINANCE 17-09, AN ORDINANCE OF THE NORTH POLE CITY COUNCIL AMENDING TITLE 2, CHAPTER 2.36 PERSONNEL CODE, SECTION .470 PAY

Chief Dutra updated council on the ordinance and would like to see an amendment made to the pay scale for a Police Recruit.

Public comment

None

Mr. McGhee *moved to Approve Ordinance 17-09, An Ordinance of the North Pole City Council amending Title 2, Chapter 2.36 Personnel Code, Section .470 Pay*

Seconded *by Mr. Claus*

Discussion

None

Mr. McGhee *moved to Amend Ordinance 17-09, Pay, by striking “Sitka” before academy and replacing Range 1 rate of \$11.75 to \$15.00, to read “Police officer recruit wage at academy” \$15.00 and strike “Police officer recruit wage at Fairbanks academy” \$16.11.*

Seconded *by Mr. McCarthy*

Discussion

Mayor Ward said that it was a \$6,000 increase to send someone to Sitka Academy. It is our priority to send people to CTC.

PASSED

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

No: 0

Absent: 1 - Thompson

NEW BUSINESS

REQUEST FROM SHADRACH LANDRY TO APPEAL THE 60 DAY DELINQUENT FEES OF \$69.00.

Jamie Duncan informed the council on the appeal.

Public Comment

None

Mr. McGhee *moved to oppose the appeal of Shadrach Landry*

Seconded *by Mr. McCarthy*

Discussion

Mr. Isaacson said he would vote against this and that the code needed to be changed from 60 days to 90 days before filing a lien.

Mr. Claus said that they were contacted and knew they owed the bill, they didn't feel they had to pay it.

Mr. Isaacson asked for clarification if it was after the 60 day notice or before.

Ms. Duncan stated that the owner refused to pay the \$29 bill until after council made a decision.

Mayor Ward said the council changed the ordinance to tighten up the collection process. The landlord lives out of town and we do not have the ability to shut the water off.

Mr. Claus asked if landlords or property owners could look up their bill online.

Mayor Ward stated that they could not.

Mr. McGhee said that according to the Caselle report these landlords have consistently been late since 2013.

Mr. Isaacson went over the Caselle report and asked what they received as far as notices.

Ms. Duncan showed him where she had sent notices for 30 days and 90 days.

On the motion to deny the appeal

PASSED

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

No: 0

Absent: 1 - Thompson

COUNCIL COMMENTS

Mr. McCarthy – no comment

Mr. Isaacson – Congratulations to Tanya Stugart for her award. Thanked the Boy Scouts for attending and stated he would miss the Clerk when she retired.

Mr. Skipps – nice to see all the visitors and Boy Scouts.

Mr. Claus – nice to see all the visitors and Boy Scouts.

Mr. McGhee – thanked the scouts for attending the meeting. Congratulated Tanya Stugart for her accomplishment

Mayor Ward – many things going on this summer. Great information in the Strategic Planning. Sad to hear that Madam Clerk is retiring.

Mr. McGhee *moved to adjourn the meeting at 8:24 p.m.*

Seconded by Mr. Isaacson

The regular meeting of Monday, April 17, 2017 adjourned at 8:24 p.m.

These minutes passed and approved by a duly constituted quorum of the North Pole City Council on Monday, May 1, 2017.

Bryce J. Ward, Mayor

ATTEST:

Kathryn M. Weber, MMC
North Pole City Clerk

Office of the Mayor
City of North Pole

Proclamation

WHEREAS, the Grange celebrates its 150th birthday throughout the year 2017; and

WHEREAS, The Grange has played a major role in the development of rural America during three centuries, advocating for legislative protection for farmers through the Ganger Laws in the 1800s; promoting research and education to improve agriculture through the Cooperative Extension Service and Land Grant Colleges; and

WHEREAS, The Grange worked to expand mail delivery and electricity to rural areas in the 1900s; and encouraging the expansion of broadband internet service in the 2000s; and

WHEREAS, The Grange continues today to be an active force in thousands of communities across the country; and

WHEREAS, The Grange provides leadership, motivation, and education to bring together rural and urban families and offers them opportunities for personal growth and individual expression; and

WHEREAS, The Grange emphasizes civic responsibility and the involvement of people in the legislative process; and

WHEREAS, The Grange promotes service to the local community and volunteerism to improve the quality of life and economic well-being of its members and friends and

WHEREAS, Grange members everywhere wish to celebrate and express their pride in the legacy of their highly respected organization.

NOW THEREFORE, I, Bryce J. Ward, Mayor of the City of North Pole, do hereby proclaim the month of April, 2017 as:

Grange Month



Bryce J. Ward, Mayor

ATTEST:



Kathryn M. Weber, MMC
North Pole City Clerk



Office of the Mayor
City of North Pole

Proclamation

National Day of Prayer Proclamation

Whereas, The National Day of Prayer is observed annually on the first Thursday of May; and

Whereas, the observance of the National Day of Prayer is founded on the constitutional rights of freedom of speech and freedom of religion and can be celebrated by all Americans; and

Whereas, days of prayer have been called for since 1775, when the Continental Congress designated a time for prayer in forming a new nation and in 1863, Abraham Lincoln called for such a day; and

Whereas, The National Day of Prayer was established as an annual event in 1952 by a joint resolution of the United States Congress and signed into law by President Harry S. Truman; and

Whereas, President Reagan amended the law in 1988, designating the first Thursday of May each year as the National Day of Prayer; and

Whereas, The National Day of Prayer concentrates on the need to pray for the well-being of America and the nations of the world and for those in leadership in all positions of influence; and

WHEREAS, Interior Alaska is home to many brave members of our Armed Forces who have answered the call to service and duty at this important time in our history to protect our religious and personal freedom; and

Whereas, we pray for strength, courage, and blessing for these individuals who daily demonstrate honor, dedication and sacrifice. We pray for their safety, and for their families, for the recovery of the wounded, and for the peace we all seek; and

Whereas, we must never forget those around the world, who are being held or persecuted because of their convictions. Let us remember all prisoners of conscience today, whatever their faiths or beliefs and wherever they are held. Let us continue to take every action within our power to secure their release. And let us carry forward our Nation's tradition of religious liberty, which protects Americans' rights to pray and to practice our faiths as we see fit; and

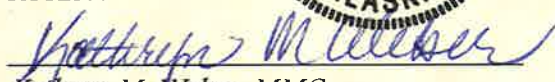
WHEREAS, we are thankful for our blessings as we reflect on the many needs of our Cities, our State, and our Nation, and we understand that prayer unites our people in common cause on one another's behalf and on behalf of the community.

NOW, THEREFORE, I, Bryce J. Ward, Mayor of the City of North Pole, do hereby recognize Thursday, May 4, 2017 as:

National Day of Prayer



ATTEST:


Kathryn M. Weber, MMC

North Pole City Clerk



Bryce J. Ward, Mayor

Office of the Mayor
City of North Pole

Proclamation

DECLARING MAY 7 THROUGH MAY 13, 2017 MUNICIPAL CLERKS WEEK

WHEREAS, the Office of the Municipal Clerk, a time honored and vital part of local government exists throughout the world and the Office of the Municipal Clerk is the oldest among public servants; and

WHEREAS, the Office of the Municipal Clerk provides the professional link between the citizens, the local governing bodies, and agencies of government at other levels; and

WHEREAS, Municipal Clerks have pledged to be ever mindful of their neutrality and impartiality, rendering equal service to all; and

WHEREAS, the Municipal Clerk serves as the information center on functions of local government and community; and their duties have expanded over the years. Because some elements of government are constantly changing, Clerks must stay current of changes so they can advise the governing body and inform their community. As the focus of each level of government changes, Clerks must also adapt; and

WHEREAS, Municipal Clerks continually strive to improve the administration of the affairs of the Office of the Municipal Clerk through participation in education programs, seminars, workshops, and the annual meetings of their state, and international professional organizations; and

WHEREAS, it is most appropriate that we recognize the accomplishments of the Office of the Municipal Clerk.


NOW, THEREFORE, I Bryce J. Ward, Mayor of the City of North Pole, Alaska do hereby proclaim the week of May 7 through May 15, 2017 as:

MUNICIPAL CLERKS WEEK

And further extend appreciation to our City Clerk/Human Resource Manager, Kathy Weber, and to all Municipal Clerks for the vital services they perform and their exemplary dedication to the communities they represent.


Bryce J. Ward, Mayor

Attest:


Kathryn M. Weber, MMC
North Pole City Clerk





**North Pole Police Dept.
125 Snowman Ln.
North Pole, AK 99705**

**Chief Steve Dutra
Phone: 907-488-8459
Fax: 907-488-5299**

April 19, 2017

Dear Representative,

As the legislative session draws to a close it is clear each of you must decide which items on your agenda are a top priority and which ones are not. A lot of resources were committed to the creation of SB91 and it was apparent to law enforcement throughout the state that the bill had flaws. The call to make adjustments was answered and the difficult task of fixing the problems began.

The first product of this effort is now before you in the form of SB54. Although this bill does not fix all the problems we have identified it certainly is a good first step. Many hours and much debate has gone into this bill and it is time for you to make sure these changes are made. It is vital that you understand these changes are needed to help law enforcement maintain public safety.

There are a number of small tweaks, but I believe two are the most important: authorizing up to one year in jail for C-felonies and imposing a small amount of jail time for repeat thefts of less than \$250. These two issues must be resolved because the underlying crimes being committed under the current law are wreaking havoc on our communities and will ultimately cause harm to the citizens of our state. It is imperative that you understand these two changes will assist state wide law enforcement in maintaining public safety and help deter repeat offenders from draining law enforcement resources.

We must not allow the issues with SB91 to just remain in place. The debates have occurred on many levels and in many venues and the final product is before you. The ACJC has forwarded these recommendations and they have recognized the need. AACOP and APOA have all supported the changes being proposed in SB54.

I implore you to push this bill to a vote and vote in the affirmative to support the bill so we can get to work on the remaining problems implemented in the largest criminal justice reform ever in the State of Alaska. SB91 needs to be fixed and SB54 is a step in the right direction.

Thank you for your time.

Chief Steve Dutra
AACOP Board Member



**North Pole Police Dept.
125 Snowman Ln.
North Pole, AK 99705**

**Chief Steve Dutra
Phone: 907-488-8459
Fax: 907-488-5299**

April 18, 2017

To: Mayor Ward

Re: Contract Review for M2 Pictures

Honorable Mayor Ward,

Chief Lantz Dahlke and Detective Peyton Merideth had asked to use the North Pole Police Department to film some spots for the TV show "Alaska Cold Case." They used the officer's room near Dahlke's desk and the parking lot. As you may know, Lantz Dahlke is a Reserve Police Officer with our department and has been helping us with some of our cases.

The TV show has asked that I sign a Location Release, which I deferred to Zane Wilson. Zane stated I was not authorized to sign it so this is why I am forwarding it to the City Council so they may authorize and allow you to sign the document.

Zane had no real objections to the agreeemnt, see attached email string. So unless the council objects, I would support the signing of the release.

Thank you for your time.


Chief Steve Dutra



m2 PICTURES

Location Release

DATE: _____
(Name) _____ ["Owner"] (Phone) _____
(Address) _____

Owner hereby grants to DISCOVERY COMMUNICATIONS, INC. ("DCI") and M2 Pictures ("Producer") and their respective parents, subsidiaries and affiliates, licensees, successors and assigns, for good and valuable consideration, receipt of which is hereby acknowledged, permission to enter upon and use the property and the contents thereof and the appurtenances thereto located at _____ (the "Property") for the purpose of photographing and recording certain scenes in connection with a program titled "Cold Case Alaska" (the "Program") during production thereof, and as necessary during any extension, reshooting or preparation of publicity or promotion therefor. All physical embodiments of filming, recording and photography on the Property shall hereinafter be known as the "Materials".

DCI and/or Producer may place all necessary facilities and equipment on the Property and agree to remove same after completion of work and leave the property in as good of condition as when received.

DCI and/or Producer will use reasonable care to prevent damage to said Property, and will indemnify the owner, and all other parties lawfully in possession, of said Property, and hold each of them harmless from any claims and demands of any person or persons arising out of or based upon personal injuries, death or property damage suffered by such person or persons resulting directly from any act of negligence on Producer and/or DCI's part in connection with Producer and/or DCI's use of the Property.

Owner grants to Producer and/or DCI all rights of every kind in and to the Materials including without limitation the right to exploit the Materials throughout the world, an unlimited number of times, in perpetuity in any and all media, now known or hereafter invented, and in connection with the Program, DCI or otherwise and for advertising and promotional purposes in connection therewith and all rights, including copyright in the Materials shall be and remain vested in Producer and/or DCI, and neither the Owner, nor any tenant, nor other party now or hereafter having an interest in the Property, shall have any right of action against Producer and/or DCI or any other party arising out of any use of said Materials whether or not such use is, or may be claimed to be, defamatory, untrue or censorable in nature.

The undersigned acknowledges that Producer and/or DCI is photographing and recording such scenes in express reliance upon the foregoing. The undersigned represents and warrants that the undersigned has all rights and authority to enter into this agreement and to grant the rights granted hereunder.

Producer and/or DCI are not obligated to actually use the Property or produce the Program or include the Materials in the Program for which it was shot or otherwise. Producer and/or DCI may at any time elect not to use the Property by giving the owner written notice of such election, in which case, neither party shall have any obligation hereunder.

This is the entire agreement. No other authorization is necessary to enable Producer and/or DCI to use the Property for the purpose herein contemplated.

AGREED AND ACCEPTED:

BY: _____

DATE: _____

Steve Dutra

From: Zane Wilson <zane@alaskalaw.com>
Sent: Saturday, March 25, 2017 2:09 PM
To: Steve Dutra
Cc: Niki L. Lightly
Subject: RE: Cold Case Alaska, Lantz scene at North Pole PD, Thursday, March 23rd

Chief:

So long as you understand and accept that is what you are doing I am fine with it. I do not believe you can sign this for the City without Council authorization.

Sorry if I am late on this. I have been in trial.

Zane

From: Steve Dutra [mailto:SDutra@northpolepolice.org]
Sent: Thursday, March 23, 2017 9:01 AM
To: Zane Wilson
Subject: FW: Cold Case Alaska, Lantz scene at North Pole PD, Thursday, March 23rd

Zane,

I just received this last night. Lantz Dahlke has asked to use his office space here at NPPD to do short segment for this cold case show. Here is the agreement they asked me to sign.

I am not comfortable with some of the language related to releasing all rights related to airing this how they want. Maybe I am worried about nothing but I wanted you to read this to make sure you're ok with it.

Thanks

Chief Steve Dutra

North Pole Police Department
125 Snowman Lane
North Pole, Alaska 99705
Business Phone : (907) 488-6902
Business Voice Mail : (907) 488-8456
Business Fax : (907) 488-5299

E-mail : sdutra@northpolepolice.org
Website <http://www.northpolepolice.org>



From: Ronan Nagle [<mailto:ronanpnagle@gmail.com>]
Sent: Wednesday, March 22, 2017 7:16 PM
To: Steve Dutra <SDutra@northpolepolice.org>; Chad Rathbun <CRathbun@northpolepolice.org>
Subject: Cold Case Alaska, Lantz scene at North Pole PD, Thursday, March 23rd

Hello,

Ronan here, we met back in February.

I'm following up to discuss the shoot we would like to do in Lantz's office space in the back room of your headquarters.

Tomorrow, we would like to show up at 1800 to load in. Our crew will consist of 7 people along with Lantz and Ofc Peyton from FPD.

Our crew:
Chris Rowe
Susan Carney
John Griber
Dave Selle
Josh Gamez
Paul Lawrence
Bryan Whitten

In addition, I have attached a Location Agreement that allows us to use your property for filming. Please look it over and pass off the signed copy to Susan Carney.

Feel free to contact me with any questions.

Thank you,
Ronan

Ronan P. Nagle
917-374-5110
ronanpnagle@gmail.com

**CITY OF NORTH POLE
ORDINANCE NO. 17-11**

**AN ORDINANCE OF THE CITY OF NORTH POLE, ALASKA TO
AMEND 2017 BUDGET TO TRANSFER FUNDING TO THE
LITIGATION FUND**

WHEREAS, changes to the public services practices and policies is a continually changing requirement; and,

WHEREAS, the City of North Pole budget should be amended to conform to the requirements of the City; and,

WHEREAS, additional funding is necessary to cover cost of litigation fees and expert witnesses, and

WHEREAS, some cost may be recouped after the litigation is concluded and the City prevails; and,

WHEREAS, once the court approves the settlement agreement cost already incurred are recoverable per the settlement agreement,

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of North Pole that it approves the budget changes as listed in the fiscal note attached to this ordinance for the purpose of increasing funding for the litigation fund.

Section 1. This ordinance is of a general nature and shall not be codified.

Section 2. This ordinance includes a fiscal note.

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 21st day of February, 2017.

Bryce J. Ward, Mayor

ATTEST:

Kathryn M. Weber, MMC
North Pole City Clerk

PASSED/FAILED

Yes:

No:

Absent:

City of North Pole, Alaska

Fiscal Note

Fiscal Year: 2017 Ordinance#: 17-11

Abbreviated Title: Amending budget for litigation fund

Originator/ Sponsor Name Mayor Ward Date: 4-11-17

Does the Ordinance Have a multiyear fiscal impact? Yes [] No [x]

Does the Ordinance add positions beyond the Budget? Yes [] No [x]

If yes, how many position? 0 If yes, what type of Position? NA

F- Full Time, P- Part time, T- Temporary

Financial Detail

FUND	Account Description	Account Number	Debits	Credits
1	Transfers Fund Balance	01-00-9-998		75,000
1	Admin Transfer out	01-51-9-999	75,000	
10	Litigation Transfer in	10-00-3-999		75,000
10	Miscellaneous Exp	10-10-9-920	75,000	

SUMMARY: (Briefly describe the proposed alterations to the budget and why they are needed)

Appropriating additional funding for the litigation fund for expert witnesses, depositions and legal fees. funding is drawn from the general fund and expensed through the Administration budget to the Litigation fund.

Prepared by: Bryce Ward Date: 4-11-17

City Accountant Approval: *Devin Lupton* Date: 4-13-17

NOTE- Fiscal Notes are amendments to the budget, once approved

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

Chapter 15.12

INTERNATIONAL BUILDING CODE

Sections:

15.12.010. Adoption.

15.12.020. Modifications.

15.12.030. Appeals.

15.12.040. Building permits – Compliance with ordinances.

15.12.050. Moving buildings.

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

15.12.010 Adoption.

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

15.12.020 Modifications.

The Building Official shall have the power to modify any of the provisions of the International Building 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. 12-07 § 2, 2012)

15.12.030 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 an appeals board of five members to be appointed by 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. 12-07 § 2, 2012)

15.12.040 Building permits – Compliance with ordinances.

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

15.12.50 Moving buildings.

A. No building of any kind or nature shall be moved to a location in the City from outside the limits of the City without approval of the Building Official, and, in the event any persons move into the City a 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 67 percent 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	Not required	Required	Required	Not required	Required
F	Oil	400,001-1,000,000	Interrupted	Not Required	30	30	2-4	Required	Required	Not required	Not required	Not 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	Not 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	Not required	Required	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.

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.

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.

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.

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