



City of Bethel
Public Works Committee
Regular Meeting - Wednesday, February 19, 2020 5:30 pm
City Hall Council Chambers, Bethel, AK

Courtney Trammell
Committee Chair
Term Expires 2020

Alyssa Leary
Committee Co-Chair
Council
Representative
Term Expires 2021

Jeff Sanders
Committee Member
Term Expires 2020

Ryan Butte
Committee Member
Term Expires 2020

Juan Delgado
Committee Member
Term Expires 2021

Gary Decossas
Committee Member
Term Expires 2022

Bill Arnold
Public Works Director
Ex- Officio Member

Charlie Dan
Committee Recorder

- I. CALL TO ORDER
- II. ROLL CALL
- III. PEOPLE TO BE HEARD – 5 minute limit
- IV. APPROVAL OF AGENDA
- V. APPROVAL OF MINUTES
 - a) January 15, 2020 Regular Meeting
- VI. UNFINISHED BUSINESS
 - a) Amending BMC 08.12.020 and 08.12.030 (Leary)
 - b) YK Fitness Center Freeze-up Report (Butte)
- VII. NEW BUSINESS:
 - a) Recommendation for City Code Enforcer Follow up
- VIII. DIRECTOR'S REPORT
- IX. COMMITTEE MEMBER COMMENTS
- X. ADJOURNMENT

Posted February 13, 2020 at City Hall, AC Co., Swanson's, and the Post Office.

Charlie Dan, Public Works Assistant

City of Bethel, Alaska

Public Works Committee Meeting Minutes

January 15, 2020

Regular Meeting

Bethel, Alaska

I. CALL TO ORDER:

A regular Public Works Committee meeting was held on January 15, 2020 in the City Hall council chambers in Bethel, Alaska. Courtney Trammell called the meeting to order at 5:38 pm.

II. ROLL CALL:

Present: Courtney Trammell, Alyssa Leary, Jeff Sanders, Ryan Butte, Juan Delgado

Also Present: Bill Arnold, Charlie Dan

Excused Absence: Gary Decossas

III. PEOPLE TO BE HEARD:-5 Minute Limit

IV. APPROVAL OF AGENDA:

MOVED BY:	Ryan Butte	Motion to approve the agenda by removing Unfinished Business item A.
SECONDED BY:	Jeff Sanders	
VOTE ON MOTION	Motion carried by unanimous vote.	

V. APPROVAL OF THE MINUTES:

MOVED BY:	Alyssa Leary	Motion to approve meeting minutes for 09-18-2019, 10-16-2019, 11-20-2019 and 12-18-2019.
SECONDED BY:	Jeff Sanders	
VOTE ON MOTION	Motion carried by unanimous vote.	

VI. SPECIAL ORDER OF BUSINESS:

VII. UNFINISHED BUSINESS:

A. Solid Waste/Dumpster Improvements Follow up

MOVED BY:	Alyssa Leary	Motion to procure new dumpster signs with the wording in the packet.
SECONDED BY:	Ryan Butte	
VOTE ON MOTION	Motion carried by unanimous vote.	

VIII. NEW BUSINESS:

A. City Paved Roads Conditions

B. Installation of Crosswalks in High Traffic Areas

C. Elections for Chair and Vice Chair

MOVED BY:	Alyssa Leary	Motion for Courtney Trammell to remain Chair.
SECONDED BY:	Ryan Butte	
VOTE ON MOTION	Motion carried by unanimous vote.	

MOVED BY:	Ryan Butte	Motion for Alyssa Leary to remain Co-Chair
SECONDED BY:	Juan Delgado	
VOTE ON MOTION	Motion carried by unanimous vote.	

D. Amending BMC 08.12.020

MOVED BY:	Alyssa Leary	Motion to table agenda items D and E.
SECONDED BY:	Ryan Butte	
VOTE ON MOTION	Motion carried by unanimous vote.	

- E. Amending BMC 08.12.030: Combine agenda items D and E.
- F. YK Fitness Center Freeze-up Report

IX. DIRECTORS REPORT:

X. COMMITTEE MEMBER'S COMMENTS:

- C.Trammell-** Thanks for a productive meeting. We should invite Ted Meyer, Planning Director, to the next meeting for a follow up on code enforcement.
- A.Leary-** I appreciate all the hard work that is done by Public Works. Thank you, Courtney, for stepping up and volunteering to fill in the empty position on Council.
- J.Sanders-** Suggestion: Subdivision developer could look into tank accessibility for water and sewer trucks in the new subdivisions (Blue Sky).
- R.Butte-** Thank you, Courtney and Alyssa for your willingness to remain Chair and Co-Chair.

XI. ADJOURNMENT

With no further business, meeting adjourned at 7:00 PM.

APPROVED THIS _____ DAY OF _____, 2020.

 Courtney Trammell
 Committee Chair

 Charlie Dan
 Recorder of Minutes

Chapter 15.95 - PLASTIC SHOPPING BAGS

15.95.010 - Definitions.

Alternative bag means any bag that is designed to carry customer purchases from the retail seller premises that is neither a plastic shopping bag nor a reusable bag.

Plastic shopping bag means a bag made exclusively or primarily of soft plastic (including plastics marked or labeled as "biodegradable" or "compostable") that is designed to carry customer purchases from the retail seller's premises;

Retail seller means a commercial business located within the municipality, including but not limited to markets, grocery stores, convenience stores, pharmacies, drug stores, retail stores, restaurants, or similar establishments that sells goods or prepared food directly to final consumers, such as household supplies, perishable items, or food merchandise, including meat, produce, dairy products, or snack foods.

Reusable bag means a bag that:

- A. Is designed and manufactured to withstand repeated use over time;
- B. Is made from cloth, other machine washable fabric, or is made from other woven material that can be cleaned and disinfected regularly; and
- C. Has handles.

(AO No. 2018-63(S), § 1, 8-28-18; AO No. 2018-110, § 1, 12-18-18)

15.95.020 - Prohibition on providing or distributing plastic shopping bags; fees for alternative bags; exceptions.

- A. On or after September 15, 2019, except as provided in this section a retail seller shall not provide a plastic shopping bag to a purchaser to carry away goods purchased from, or serviced by, the retail seller.
- B. On or after September 15, 2019, except as provided in this section, a retail seller shall provide an alternative bag to a purchaser to carry away goods purchased from, or serviced by, the retail seller only for a minimum fee of \$0.10 per bag with a maximum charge of \$0.50 per transaction. A retail seller:
 1. Shall not absorb or discount the required fees established by this subsection,
 2. Shall state the fees as a separate item on the receipt provided to the purchaser, and
 3. May retain the full amount of the fee or give any portion of it to a nonprofit.
 4. The fees in this section shall be waived for any transaction in which purchases are made with state or federal supplemental nutrition assistance programs, commonly known as food stamps, food coupons or other type of allotment issued under 7 U.S.C. 2011-2036,

or with food instruments, food vouchers, or other type of certificate issued under 42 U.S.C. 1786 (Special Supplemental Food Program for Women, Infants, and Children), or other similar programs.

5. A retail seller or other organization is not required to charge a fee when they distribute alternative bags at temporary events where the bags are provided for a general use without a clearly associated sale.
 6. The fees in this section do not apply to any transaction where the purchase is paid directly by the United States or its instrumentalities insofar as they are immune from local regulation.
- C. A retail seller may provide a reusable bag without limitation or fee.
- D. Exceptions. The prohibition established in this section does not apply to a plastic bag that is:
1. Used by customers inside stores to contain a product that does not have other packaging, such as bulk grains, fruit, nuts, vegetables, meat, candy, bakery goods, prepared foods, other food products or small hardware items;
 2. Used to contain dampness or leaks from items such as frozen foods, meat or fish;
 3. Used only to contain ice;
 4. Used only to contain or wrap flowers or potted plants;
 5. Provided by a pharmacist for the sole purpose of containing prescription drugs;
 6. Used only to package an unconsumed portion of a bottle of wine in compliance with AS 04.16.120;
 7. Used only to contain a newspaper, laundry, or dry cleaning;
 8. Sold in packages containing multiple bags intended for consumer use off the retail seller's premises, such as for the collection and disposal of garbage, pet waste, or yard waste;
 9. Provided by a retail marijuana store in accordance with the requirements of section 10.80.345; or
 10. Without handles and provided to protect goods not individually wrapped in protective covering such as dry cleaning, artwork, souvenirs, cards, paper products or textiles.

(AO No. 2018-63(S), § 1, 8-28-18; AO No. 2018-110, § 1, 12-18-18)

15.95.030 - Penalties and remedies.

Penalties and remedies for violation of this chapter are included in the penalty and remedies section in chapter 15.05 and the schedule of fines in section 14.60.030.

(AO No. 2018-63(S), § 1, 8-28-18)

Municipal Clerk's Office
Amended and Approved
Date: December 18, 2018

Submitted by: Assembly Chair Dunbar, Assembly
Member LaFrance, and Assembly
Member Constant
Prepared by: Assembly Counsel
For reading: December 4, 2018

ANCHORAGE, ALASKA
AO No. 2018-110, As Amended

1 **AN ORDINANCE OF THE ANCHORAGE MUNICIPAL ASSEMBLY AMENDING**
2 **ANCHORAGE MUNICIPAL CODE CHAPTER 15.95, *DISPOSABLE PLASTIC***
3 ***SHOPPING BAGS*, TO DELAY THE DATE THE PROHIBITION ON**
4 **DISTRIBUTION GOES INTO EFFECT, TO ADD AND CLARIFY EXCEPTIONS,**
5 **TO CLARIFY TERMINOLOGY AND INCLUDE CONFORMING AMENDMENTS,**
6 **AND AMENDING THE CORRESPONDING LANGUAGE IN AMC SECTION**
7 **14.60.030 ACCORDINGLY.**
8

9
10 **WHEREAS**, on August 28, 2018 the Anchorage Assembly passed AO 2018-63(S),
11 as amended, to prohibit distributing disposable plastic shopping bags to purchasers
12 and requiring a retail seller to charge a fee for providing alternative bags that are
13 not reusable;

14
15 **WHEREAS**, members of the public and retail store owners and operators have
16 expressed concern with plastic bag inventories on hand that were commonly
17 acquired in bulk and expected to supply a store for months or years;

18
19 **WHEREAS**, while some chain store retailers could send their plastic bag inventory
20 to other locations in jurisdictions without a prohibition, many retail stores would not
21 have that option and could dispose of their customized and unusable bags in the
22 landfill in bulk after the ban becomes effective March 1, 2019;

23
24 **WHEREAS**, the intent and spirit of the plastic shopping bag ordinance is for
25 environmental protection including reduction of their volume in the Anchorage
26 Regional Landfill and blowing in the wind after disposal; and

27
28 **WHEREAS**, the Anchorage Assembly intends to provide a reasonably sufficient
29 time for local retail stores to significantly diminish or deplete their plastic shopping
30 bag inventories before the prohibition goes into effect, reducing the economic impact
31 on private sector retailers; and

32
33 **WHEREAS**, clarification to language and additional exceptions are desired and
34 beneficial to the public and the purposes of the ordinance; now, therefore,

35
36 **THE ANCHORAGE ASSEMBLY ORDAINS:**

37
38 **Section 1.** Anchorage Municipal Code chapter 15.95 is hereby amended to read
39 as follows (*the remainder of the section is not affected and therefore not set out*):

40
41 **Chapter 15.95 [DISPOSABLE] PLASTIC SHOPPING BAGS.**
42

1 **15.95.010 Definitions.**

2
3 *Alternative bag* means any bag that is designed to carry customer purchases
4 from the retail seller premises that is neither a [DISPOSABLE] plastic shopping bag
5 nor a reusable bag.

6
7 [DISPOSABLE P] *Plastic shopping bag* means a bag made exclusively or
8 primarily of soft plastic (including plastics marked or labeled as “biodegradable” or
9 “compostable”) that is designed to carry customer purchases from the retail seller’s
10 premises;

11 *** *** ***
12
13 (AO No. 2018-63(S), § 1, 9-11-18)

14
15 **15.95.020 Prohibition on providing or distributing [DISPOSABLE]
16 plastic shopping bags; fees for alternative bags;
17 exceptions.**

18
19 A. On or after September 15 [MARCH 1], 2019, except as provided in
20 this section a retail seller shall not provide a [DISPOSABLE] plastic
21 shopping bag to a purchaser to carry away [OR PROTECT] goods
22 purchased from, or serviced by, the retail seller.

23
24 B. On or after September 15 [MARCH 1], 2019, except as provided in
25 this section, a retail seller shall provide an alternative bag to a
26 purchaser to carry away goods purchased from, or serviced by, the
27 retail seller only for a minimum fee of \$0.10 per bag with a maximum
28 charge of \$0.50 per transaction. A retail seller

29 *** *** ***

30
31 6. The fees in this section do not apply to any transaction where
32 the purchase is paid directly by the United States or its
33 instrumentalities insofar as they are immune from local
34 regulation[100% PAID FOR BY A FEDERALLY FUNDED
35 PROGRAM].

36
37 D. *Exceptions.* The prohibition established in this section does not apply
38 to a plastic bag that is

39
40 1. Used by customers inside stores to contain a product that does
41 not have other packaging, such as [INCLUDING] bulk grains,
42 fruit, nuts, vegetables, meat, candy, bakery goods, prepared
43 foods, other food products or small hardware items;

44 *** *** ***

45
46 8. Sold in packages containing multiple bags intended for
47 consumer use off the retail seller’s premises, such as for the
48 collection and disposal of garbage, pet waste, or yard waste;
49 [OR]

50

9. Provided by a retail marijuana store in accordance with the requirements of section 10.80.345; or

10. Without handles and provided to protect goods not individually wrapped in protective covering such as dry cleaning, artwork, souvenirs, cards, [COMIC BOOKS,]paper products or textiles.

(AO No. 2018-63(S), § 1, 9-11-18)

*** **

Section 2. Anchorage Municipal Code section 14.60.030 is hereby amended to read as follows (*the remainder of the section is not affected and therefore not set out*):

14.60.030 - Fine schedule.

The fine schedule under this chapter is as follows:

Code Section	Offense	Penalty / fine
***	***	***
15.95.020A.	Provide or distribute [DISPOSABLE] plastic shopping bag	First offense: warning. Second offense: \$250/violation Third and subsequent offenses: \$500/violation
***	***	***

(AO No. 93-167(S-1), § 1, 4-13-94; AO No. 94-108, § 1, 10-5-94; AO No. 94-134, § 2, 9-8-94; AO No. 95-42, § 2, 3-23-95; AO No. 95-67(S), § 9, 7-1-95; AO No. 95-102, § 1, 4-26-95; AO No. 95-118, § 3, 9-1-95; AO No. 95-163(S), § 21, 8-8-95; AO No. 95-195(S-1), 1-1-96; AO No. 96-51(S-1), § 2, 8-1-96; AO No. 96-96(S-1), § 2, 2-1-97; AO No. 96-126(S), § 3, 10-1-96; AO No. 96-137(S), § 9, 1-2-97; AO No. 97-88, § 3, 6-3-97; AO No. 97-107, § 3, 11-17-97; AO No. 97-133(S), § 1, 11-11-97; AO No. 98-27(S-1), § 2, 11-11-97; AO No. 98-160, § 2, 12-8-98; AO No. 99-13(S), 2-9-99; AO No. 99-91(S), § 4, 7-13-99; AO No. 2000-64, § 1, 4-18-00; AO No. 2000-116(S), § 4, 7-18-00; AO No. 2000-127(S), § 2, 10-14-00; AO No. 2000-129(S), § 26, 11-21-00; AO No. 2001-48, § 1, 3-13-01; AO No. 2001-74(S), § 2, 4-17-01; AO No. 2001-4, § 2, 2-6-01; AO No. 2001-145(S-1), § 11, 12-11-01; AO No. 2003-68, § 1, 9-30-03; AO No. 2003-97, § 4, 9-30-03; AO No. 2003-117, § 2, 1-28-03; AO No. 2003-130, § 8, 10-7-03; AO No. 2003-152S, § 10, 1-1-04; AO No. 2004-1, § 2, 1-1-03; AO No. 2004-99, § 2, 6-22-04; AO No. 2004-100(S-1), § 6, 1-1-05; AO No. 2004-171, § 1, 1-11-05; AO No. 2005-160, § 9, 11-1-05; AO No. 2005-84(S), § 3, 1-1-06; AO No. 2005-185(S), § 35, 2-28-06; AO No. 2005-124(S-1A), § 33, 4-18-06; AO No. 2006-39, § 6, 4-11-06; AO No. 2006-54, § 1, 5-2-06; AO No. 2006-80, § 1, 6-6-06; AO No. 2007-50, § 4, 4-10-07;

1 AO No. 2007-60, § 4, 11-1-07; AO No. 2007-70, § 3, 5-15-07; AO No. 2008-
2 84(S), § 5, 7-15-08; AO No. 2009-61, § 3, 7-7-09; AO No. 2009-82, § 5, 7-7-
3 09; AO No. 2009-40(S), § 3, 7-21-09; AO No. 2009-112, § 4, 10-13-09; AO
4 No. 2009-122, § 2, 12-17-09; AO-2010-35(S), § 7, 5-11-10; AO No. 2010-39,
5 § 2, 5-11-10; AO No. 2010-87(S), § 3, 12-7-10; AO No. 2011-46, § 4, 4-12-
6 11; AO No. 2011-59, § 10, 5-24-11; AO No. 2011-106(S), § 3, 11-8-11; AO
7 No. 2011-112, § 4, 11-22-11, eff. 12-22-11; AO No. 2012-10, § 1, 1-31-12;
8 AO No. 2012-77, § 29, 8-7-12; AO No. 2013-109(S-1), § 5, 12-3-13; AO No.
9 2013-130(S-1), § 1, 1-14-14; AO No. 2014-42, § 31, 6-21-14; AO No. 2014-
10 85, § 4, 8-5-14; AO No. 2014-110(S), § 2, 9-9-14; AO No. 2014-137(S), § 3,
11 11-18-14; AO No. 2015-23(S), § 20, 3-24-15; AO No. 2015-48, § 16, 5-14-
12 15 ; AO No. 2015-54, § 1, 5-26-15 ; AO No. 2015-65, § 4, 6-9-15 ; AO No.
13 2015-111(S-1), § 2, 1-1-16 ; AO No. 2016-16(S), § 4, 2-9-16 ; AO No. 2016-
14 76(S), § 7, 7-12-16 ; AO No. 2016-81(S), § 4, 8-25-16 ; AO No. 2016-83(S),
15 § 9, 7-26-16 ; AO No. 2016-82 , § 3, 8-9-16; AO No. 2016-116 , § 2, 10-18-
16 16; AO No. 2016-115(S) , § 2, 11-15-16; AO No. 2016-124(S) , § 11, 12-20-
17 16; AO No. 2017-26 , § 2, 5-1-17; AO No. 2017-29(S) , § 61, 6-1-17; AO No.
18 2017-30 , § 3, 3-21-17; AO No. 2017-31(S) , § 5, 5-26-17; AO No. 2017-
19 119(S) , § 4, 11-9-17; AO No. 2017-101 , § 2, 2-5-18; AO No. 2017-161(S) ,
20 § 3, 2-27-18)

21
22 **Section 3.** This ordinance shall be effective immediately upon passage and
23 approval by the Assembly.
24

25
26 PASSED AND APPROVED by the Anchorage Assembly this 18th day of December,
27 2018.
28

29
30 
31
32 Chair

33 ATTEST:
34 
35
36
37 Municipal Clerk

Chapter 8.09

SINGLE-USE PLASTIC DISPOSABLE SHOPPING BAGS

Sections:

- 8.09.010** **Definitions.**
- 8.09.020** **Purpose.**
- 8.09.030** **Single-use plastic disposable shopping bag prohibited.**
- 8.09.040** **Exceptions.**
- 8.09.050** **Fines.**

8.09.010 **Definitions.**

Any word, term, or phrase not defined in this section shall have its ordinary and common meaning. The following words, terms, and phrases, when used in this chapter, shall have the meanings ascribed to them in this section:

“Affected establishment” means any retail or commercial business facility located inside the city of Palmer that sells goods or prepared food directly to consumers including but not limited to grocery stores, pharmacies, retail stores, and restaurants.

“Single-use plastic disposable shopping bag” means a bag made from plastic or any material not marked or labeled as “biodegradable” or “compostable” that is neither intended nor suitable for continuous reuse and that is less than four mils thick, designed to carry customer purchases from the seller’s premises. (Ord. 18-004 § 3, 2018)

8.09.020 **Purpose.**

The purpose of this chapter is to reduce the generation of waste from single-use plastic disposable shopping bags. (Ord. 18-004 § 3, 2018)

8.09.030 **Single-use plastic disposable shopping bag prohibited.**

- A. No affected retail establishment may provide to any customer a single-use plastic disposable shopping bag for the purpose of carrying away goods from the point of sale.
- B. No person may distribute single-use plastic disposable shopping bags at any city facility or any event held on city property. (Ord. 18-004 § 3, 2018)

8.09.040 Exceptions.

Exceptions to the prohibition are bags used by customers inside stores:

- A. To package bulk items such as fruit, vegetables, nuts, grains, candy or small hardware items such as nails and bolts; and
- B. Bags used to contain dampness or leaks from items such as frozen foods, meat, or fish, flowers or potted plants; and
- C. Bags used to protect prepared foods or bakery goods; and
- D. Bags provided by pharmacists to contain prescription drugs; and
- E. Newspaper, laundry or dry-cleaning bags; and
- F. Bags sold for consumer use, off the seller's premises, for such purposes as the collection and disposal of garbage, pet waste, or yard waste. (Ord. 18-004 § 3, 2018)

8.09.050 Fines.

A violation of this chapter is an offense punishable by the fine established in the current, adopted budget. (Ord. 18-004 § 3, 2018)

The Palmer Municipal Code is current through Ordinance 19-019, passed September 24, 2019.

Disclaimer: The city clerk's office has the official version of the Palmer Municipal Code. Users should contact the city clerk's office for ordinances passed subsequent to the ordinance cited above.

[City Website: www.palmerak.org](http://www.palmerak.org)

[Code Publishing Company](#)

LEGISLATIVE HISTORY

Committee of the Whole: February 27, 2018
Introduced by: Council Members LaFrance
and Combs
Date: May 1, 2018
Public Hearing:
Action:
Vote:

Yes:	No:

CITY OF PALMER, ALASKA

Ordinance No. 18-004

An Ordinance of the Palmer City Council Enacting Palmer Municipal Code Chapter 8.09 Prohibiting the Distribution of Single-Use Disposable Plastic Shopping Bags and Amending the City of Palmer Fine Schedule

WHEREAS, the use of single-use carry-out disposable plastic shopping bags in the city of palmer ("city") creates a burden on the environment, endangers wildlife, and has been shown to be harmful to bodies of water and problematic for solid waste management; and

WHEREAS, to decrease the number of littered disposable plastic shopping bags in the city, it is necessary to restrict general use; and

WHEREAS, it is in the best interest of the health, safety, and welfare of all residents to restrict the use of single-use disposable plastic shopping bags; and

WHEREAS, plastic carryout bags do not biodegrade, create problematic environmental issues, and frequently escape from trash containers and landfills creating a burden on residents and the City for clean-up.

THE CITY OF PALMER, ALASKA, ORDAINS:

Section 1. Classification. This ordinance shall be permanent in nature and shall be incorporated into the Palmer Municipal Code.

Section 2. Severability. If any provisions of this ordinance or application thereof to any person or circumstances are held invalid, the remainder of this ordinance and the application to the other persons or circumstances shall not be affected thereby.

Section 3. Palmer Municipal Code is hereby amended to read as follows (new language is underlined and deleted language is ~~stricken~~):

Chapter 8.09.010 Definitions

Any word, term, or phrase not defined in this section shall have its ordinary and common meaning. The following words, terms, and phrases, when used in this chapter, shall have the meanings ascribed to them in this section:

"Affected establishment" means any retail or commercial business facility located inside the city of Palmer that sells goods or prepared food directly to consumers including but not limited to grocery stores, pharmacies, retail stores, and restaurants.

"Single-use plastic disposable shopping bag" means a bag made from plastic or any material not marked or labeled as "biodegradable" or "compostable" that is neither intended nor suitable for continuous reuse and that is less than 4 mils thick, designed to carry customer purchases from the seller's premises.

Chapter 8.09.020 Purpose

The purpose of this chapter is to reduce the generation of waste from single-use plastic disposable shopping bags.

Chapter 8.09.030 Single-use plastic disposable shopping bag prohibited

A. No affected retail establishment may provide to any customer a single-use plastic disposable shopping bag for the purpose of carrying away goods from the point of sale.

B. No person may distribute single-use plastic disposable shopping bags at any city facility or any event held on city property.

Chapter 8.09.040 Exceptions

Exceptions to the prohibition are bags used by customers inside stores:

A. To package bulk items such as fruit, vegetables, nuts, grains, candy or small hardware items such as nails and bolts; and

B. Bags used to contain dampness or leaks from items such as frozen foods, meat, or fish, flowers or potted plants; and

C. Bags used to protect prepared foods or bakery goods; and

D. Bags provided by pharmacists to contain prescription drugs; and

E. newspaper, laundry or dry-cleaning bags; and

F. Bags sold for consumer use, off the seller's premises, for such purposes as the collection and disposal of garbage, pet waste, or yard waste.

Chapter 8.09.050 Fines

A Violation of this chapter is an offense punishable by the fine established in the current, adopted budget.

Section 4. Amendment of city of Palmer Fine Schedule is hereby amended to add a fine schedule for the distribution of single-use plastic disposable shopping bags, as follows:

Palmer Municipal Code (PMC) Title 8 Health & Safety			
Chapter 8.09 Prohibiting the Distribution of Single-Use Disposable Plastic Shopping Bags			
Section Title:	Section Citation:	Fine:	Fine Citation:
Single-use plastic disposable shopping bag prohibited	8.09.030	First Offence: Warning Second Offence: \$100.00 Third Offence: \$300.00	8.09.050

Section 5. Effective Date. Ordinance No. 18-004 shall take effect January 1, 2019.

Passed and approved this ____ day of ____, 2018.

Edna B. DeVries, Mayor

Norma I. Alley, MMC, City Clerk

Chapter 9.44

REGULATION OF SINGLE-USE PLASTIC DISPOSABLE SHOPPING BAGS

Sections:

- 9.44.010** **Definitions.**
- 9.44.020** **Purpose.**
- 9.44.030** **Single-use plastic disposable shopping bag prohibited.**
- 9.44.040** **Remedies and penalties.**

9.44.010 **Definitions.**

Any word, term, or phrase not defined in this section shall have its ordinary and common meaning. The following words, terms, and phrases, when used in this chapter, shall have the meanings ascribed to them in this section:

“Affected establishment” means any retail or commercial business facility located inside the city of Wasilla that sells goods or prepared food directly to consumers including but not limited to grocery stores, pharmacies, retail stores, and restaurants.

“Single-use plastic disposable shopping bag” means a bag made from plastic or any material not marked or labeled as “biodegradable” or “compostable” that is neither intended nor suitable for continuous reuse and that is less than 2.25 mils thick, designed to carry customer purchases from the seller’s premises, except for: bags used by customers inside stores to package bulk items such as fruit, vegetables, nuts, grains, candy, or small hardware items, such as nails and bolts; bags used to contain dampness or leaks from items such as frozen foods, meat, or fish, flowers or potted plants; bags used to protect prepared foods or bakery goods; bags provided by pharmacists to contain prescription drugs; newspaper bags, laundry or dry cleaning bags; or bags sold for consumer use off the seller’s premises for such purposes as the collection and disposal of garbage, pet waste, or yard waste. (Ord. 17-24(AM) § 2, 2018)

9.44.020 Purpose.

The purpose of this chapter is to reduce the generation of waste from single-use plastic disposable shopping bags. (Ord. 17-24(AM) § 2, 2018)

9.44.030 Single-use plastic disposable shopping bag prohibited.

- A. No affected retail establishment may provide to any customer a single-use plastic disposable shopping bag for the purpose of carrying away goods from the point of sale.
- B. No person may distribute single-use plastic disposable shopping bags at any city facility or any event held on city property. (Ord. 17-24(AM) § 2, 2018)

9.44.040 Remedies and penalties.

Remedies and penalties for violations of this chapter are provided in WMC Chapter [1.20](#). (Ord. 17-24(AM) § 2, 2018)

The Wasilla Municipal Code is current through Ordinance 19-31, passed December 9, 2019.

Disclaimer: The Office of the City Clerk has the official version of the Wasilla Municipal Code. Users should contact the clerk's office for ordinances passed subsequent to the ordinance cited above.

[City Website: www.cityofwasilla.com](http://www.cityofwasilla.com)

City Telephone: (907) 373-9090

[Code Publishing Company](#)

Code Ordinance

By: Administration
Introduced: November 27, 2017
First Public Hearing: December 11, 2017
Public Hearing Continued to January 8, 2018: December 11, 2017
Second Public Hearing: January 8, 2018
Amended: January 8, 2018
Adopted: January 8, 2018
Yes: Dryden, Graham, Harvey, Ledford, O'Barr
No: Burney
Absent: None

**City of Wasilla
Ordinance Serial No. 17-24(AM)**

An Ordinance Of The Wasilla City Council Adopting Wasilla Municipal Code Chapter 9.44, Prohibiting The Distribution Of Single-Use Disposable Plastic Shopping Bags.

WHEREAS, the use of single-use carry-out disposable plastic shopping bags in the City of Wasilla ("City") creates a burden on the environment, endangers wildlife, and has been shown to be harmful to bodies of water and problematic for solid waste management; and

WHEREAS, to decrease the number of littered disposable plastic shopping bags in the City, it is necessary to restrict general use; and

WHEREAS, it is in the best interest of the health, safety, and welfare of all residents to restrict the use of single-use disposable plastic shopping bags; and

WHEREAS, plastic carryout bags do not biodegrade, create problematic environmental issues, and frequently escape from trash containers and landfills creating a burden on residents and the City for clean-up.

NOW, THEREFORE, BE IT ENACTED by the Wasilla City Council:

Section 1. Classification. This ordinance is of a general and permanent nature and shall become part of the city code.

Section 2. Adoption of chapter. WMC 9.44, Regulation of single-use disposable plastic shopping bags, is hereby adopted to read as follows:

Bold & Underline, added. Strikethrough, deleted

9.44.010 Definitions

Any word, term, or phrase not defined in this section shall have its ordinary and common meaning. The following words, terms, and phrases, when used in this chapter, shall have the meanings ascribed to them in this section:

“Affected Establishment” means any retail or commercial business facility located inside the City of Wasilla that sells goods or prepared food directly to consumers including but not limited to grocery stores, pharmacies, retail stores, and restaurants.

“Single-Use Plastic Disposable Shopping Bag” means a bag made from plastic or any material not marked or labeled as “biodegradable” or “compostable” that is neither intended nor suitable for continuous reuse and that is less than 2.25 mils thick, designed to carry customer purchases from the seller’s premises, except for: bags used by customers inside stores to package bulk items such as fruit, vegetables, nuts, grains, candy, or small hardware items, such as nails and bolts; bags used to contain dampness or leaks from items such as frozen foods, meat, or fish, flowers or potted plants; bags used to protect prepared foods or bakery goods; bags provided by pharmacists to contain prescription drugs; newspaper bags, laundry, or dry cleaning bags; or bags sold for consumer use off the seller’s premises for such purposes as the collection and disposal of garbage, pet waste, or yard waste.

9.44.020 Purpose

The purpose of this chapter is to reduce the generation of waste from single-use plastic disposable shopping bags.

Bold & Underline, added. Strikethrough, deleted

9.44.030 Single-Use Plastic Disposable Shopping Bag Prohibited

A. No affected retail establishment may provide to any customer a single-use plastic disposable shopping bag for the purpose of carrying away goods from the point of sale.

B. No person may distribute single-use plastic disposable shopping bags at any city facility or any event held on city property.

9.44.040 Remedies and Penalties

Remedies and penalties for violations of this chapter are provided in WMC Chapter 1.20.

Section 3. Amendment of subsection. WMC 1.20.030, Disposition of Scheduled Offenses – Fine Schedule, is hereby amended to add a fine for the distribution of single use plastic disposable shopping bags, as follows:

CODE SECTION	DESCRIPTION OF OFFENCE	FINE
WMC 9.44.030	Distribution of single use plastic disposable shopping bag.	First Offence - Warning Second Offence - \$100.00 Third Offence - \$300.00

Section 4. Effective date. This ordinance shall take effect July 1, 2018.

ADOPTED by the Wasilla City Council on January 8, 2018.


BERT L. COTTLE, Mayor

ATTEST:


JAMIE NEWMAN, MMC, City Clerk

[SEAL]

Bold & Underline, added. ~~Strikethrough~~, deleted

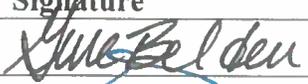
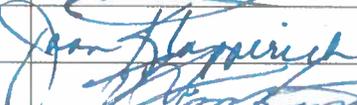
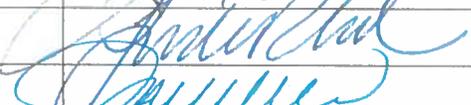
CITY COUNCIL LEGISLATION STAFF REPORT

Ordinance Serial No. 17-24: An Ordinance Of The Wasilla City Council Adopting Wasilla Municipal Code Chapter 9.44, Prohibiting The Distribution Of Single-Use Disposable Plastic Shopping Bags.

Originator: Mayor Bert L. Cottle

Date: 10/25/2017

Agenda of: 11/27/2017

Route to:	Department Head	Signature	Date
X	Chief of Police		10/30/17
X	Public Works Director		10/30/17
X	Recreation Services Director		10/30/17
X	Finance Director		10-30-17
X	Deputy Administrator		10/30/17
X	City Attorney		11/27/17
X	City Clerk		11/3/17

Reviewed by Mayor Bert L. Cottle:  10/31/2017

Fiscal Impact: yes or no Funds Available: yes or no

Account name/number:

Attachments: Ordinance Serial No. 17-24 (4 pages)

Summary Statement:

The use of single-use carry-out disposable plastic shopping bags, within the city of Wasilla, creates a burden on the environment, endangering wildlife and harming waterways. It is in the best interest of the city, for health, safety and welfare, for all residents and shoppers, to restrict the use of single-use disposable plastic shopping bags inside city limits. The Administration is proposing to adopt Wasilla Municipal Code Chapter 9.44, prohibiting the distribution of single-use disposable plastic shopping bags. Further, a fine schedule is recommended for the distribution of single-use plastic disposable bags.

Staff Recommendation: Introduce and set the public hearing for Ordinance Serial No. 17-24.



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

Date: 23 January 2020

SERVICE
TEAMWORK
RESPECT
INTEGRITY
DEVOTION
EXCELLENCE

Chase Nelson, DOWL Engineers

Subject: Yukon Kuskokwim Fitness Center, Leak Investigation and Mitigation Report

Project Number: 12044.01

Dear Mr. Nelson,

On January 2nd, 2020, Architects Alaska was informed of various concerns threatening the structure and operation of the Yukon-Kuskokwim Fitness Center (YKFC). I was requested to visit the building to make recommendations for mitigation and repair. These are addressed in detail below. Please note that, for the purpose of clarity and consistency, room names and numbers, referenced locations, cardinal directions, and drawings all refer to those used in the Construction Drawings titled, *Yukon Kuskokwim Regional Aquatic Health and Safety Center Construction Documents*, dated April 15th, 2013.

On January 13th and 14th, I toured the YKHC with various City of Bethel personnel to observe, discuss, and document the issues that affect the building's performance. To aid in the observations, I used an Extech I5 FLIR thermal imaging camera. Personal history of the facility, design considerations, and several construction observation visits were also valuable assets in the site visit.

PROJECT BACKGROUND

Architects Alaska designed the facility along with PDC Inc. Engineers, BBFM Engineers Inc., AMC Engineers, and Counsilman Hunsaker. The building was constructed by Bethel Service Incorporated and UNIT Company. AAI made several site visits throughout its construction. The facility was opened in November 2014.

PROBLEMS REPORTED

The Yukon Kuskokwim Regional Fitness Center experienced frozen water, sewer, and sprinkler piping, and resulted in burst water piping and cracked sprinkler piping fittings starting December 25th, 2019 and continuing for several days after. These issues were brought to the attention of Architects Alaska on January 2, 2020 by Mr. Corbin Ford, Foreman of the City of Bethel Facilities and Property.



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

Mr. Ford indicated the problems and associated locations that were currently affecting the use of the YKFC facility. These include:

- Burst domestic water line in the concealed soffit space below Reception/Concessions Room 104
- Multiple frozen waste pipes running east/west north of Grid 8
- Frozen sprinkler piping above the ceiling of Conference Room 102, resulting in cracked fittings discovered before piping thawed.

A detailed description of the problems, including sequence of events and activities taken by Facilities and Property personnel, can be found in Mr. Ford's "Pool Building Report" attached to this report.

The likely cause of these issues is an unfortunate combination of extreme weather (within the anticipated design range), one of two boilers being inoperable and inability to reach the set temperature of the radiant floor, inoperable heating controls, and significant gaps in the insulation of the building envelope.

The facility has been in operation since November 2014 and has not experienced any of these issues before this winter season. The combination of sustained cold weather and the boiler being down showed the previously unknown flaws of missing insulation and failed mechanical actuators.

GENERAL OBSERVATIONS

On January 13th, I visited the pool facility with City of Bethel Facilities and Property employees Corbin Ford (foreman) and Gary Poe, and DOWL Engineers PM Chase Nelson. Mr. Ford pointed out the areas that had been damaged and work that his crew had done to prevent further damage. In general, the conditions I observed were as reported by Mr. Ford prior to my visit. Several icicles were hanging from soffit construction, and a significant amount of ice coated the ground that had poured out of the soffit space. Two access holes were cut into the concealed soffit space from below, a portable Frost Fighter indirect fired heater was pumping warm air into the soffit, temporary measures to limit cold air intrusion were in place, and the sprinkler system had been drained with a manual "fire watch" in action per the requirements of the Bethel Fire Department. These measures had allowed the facility to reopen that morning.

The following day, I was informed of roof leaks that had previously been reported at the facility, but not made known to the design team. I returned with Public Works Director Bill Arnold and Yukon-Kuskokwim Fitness Center Facility Director, Stacey Reardon. The locations of leaks were pointed out, as well as the conditions in which they occur. These leaks are not active, but should be expected to reoccur if not addressed.

The weather on both days of my visit was approximately 20 degrees, calm winds, and cloudy skies with occasional flurries. This weather was significantly warmer and calmer than the previous weeks when the problems occurred.

CORRECTIVE ACTIONS

This report addresses the various building concerns and proposes corrective actions to be taken to prevent further damage. Each reported and observed problem is addressed in isolation. The proposed solutions, if accepted by the City of Bethel, should be designed and constructed by qualified persons.



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

ISSUE 1, Cold concealed soffit space and associated frozen and burst piping.

This is perhaps the most immediate concern for the YKFC facility and the original reason that Architects Alaska was asked to visit the facility. As addressed above, a combination of factors, including construction, climatic conditions, and maintenance problems contributed to the burst pipes. These factors are addressed in individually.

ISSUE 1.1, No insulation at several pile caps in the concealed soffit space. (Note: The same conditions were noted at several pile caps in the accessible soffit space as well. This section applies to all similar conditions.)

Reported Problem: No insulation is present between wood pile caps and insulated metal panels at several locations, resulting in significant cold air intrusion into the unheated concealed soffit.

Emergency Repairs: At my suggestion on January 2nd, the City of Bethel Facilities and Property Crew stuffed all observed gaps in the thermal envelope with unfaced batt insulation as a measure to slow air intrusion.

Observed conditions: During my site visit, I saw several such gaps between the insulated metal soffit panels and wood pile caps. These were filled with batt insulation as suggested. Mr. Ford removed some insulation in several locations, and daylight could be seen through large, previously unfilled gaps, demonstrating that it was a significant breach in the thermal envelope. Using a thermal camera, I was able to tell that the temporary batt insulation infill was performing nearly as well as the adjacent insulated metal panels. However, it should be pointed out that the soffit was being positively pressurized with Frost Fighter indirect fired heater. Without this pressurization, we anticipate that the lack of an air barrier would result in some cold air intrusion at these locations, although significantly less than without any insulation.

Using the thermal camera outside of the soffit, I pointed out several other pile cap locations that are likely resulting in significant heat loss from the accessible soffit space.

Proposed Solution: Check all pile cap locations to verify which locations are missing insulation. When weather conditions allow, add foam-in-place insulation between pile caps and soffit panels as indicated in Detail C1/A5.01 of the construction drawings. Where the gap between pile caps and soffit panels exceeds 0'-1", provide prefinished metal flashing flush with the bottom (exterior) surface of the soffit panels, and fill gaps with foam-in-place insulation. See modified detail in Figure 1.1e.



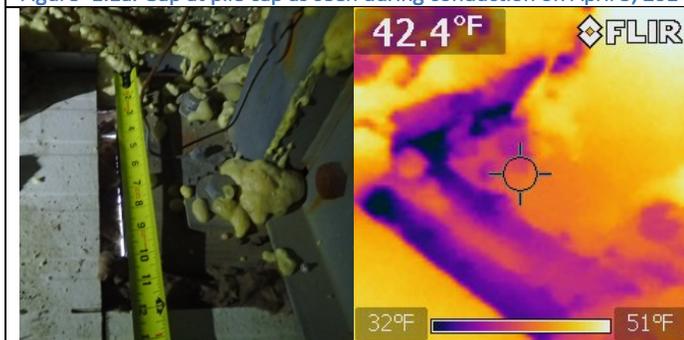
City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report



Figure -1.1a. Gap at pile cap as seen during conduction on April 3, 2014



Figure -1.1b. Batt insulation added to fill gaps at pile cap and soffit



Figures -1.1c. and -1.1d. Pile cap at Grid H:10, with +/- 2" of missing insulation on two sides of pile cap, and daylight visible. (Note that spray foam was an attempt at emergency repair prior to filling gap with batt insulation.)

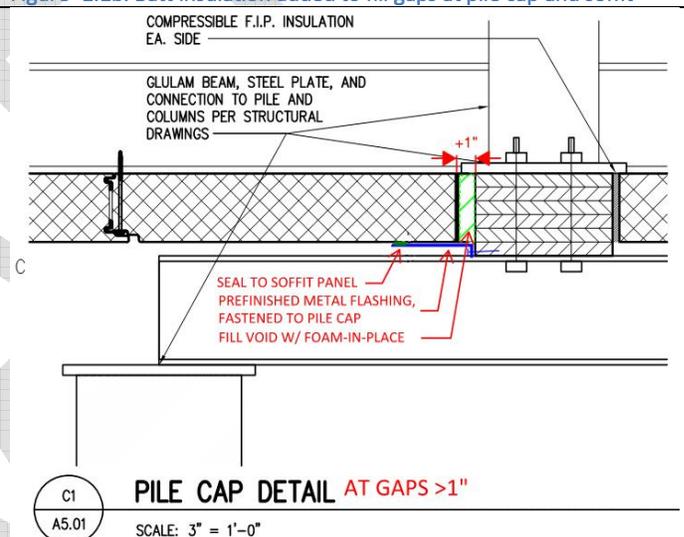


Fig 1.1e. Proposed gap insulation

ISSUE 1.2, Missing butyl sealant suspected between several soffit panels

Reported Problem: Gaps in soffit panel joints permit cold air intrusion in several areas. This was reported both within the concealed and the accessible soffit spaces.

Observed Conditions: Cold air could be felt in the locations indicated by Mr. Ford. In addition, frost was visible on the interior surface of several panels where the surface temperature was lower than freezing point.

Proposed Solution: Mark all known locations of cold air intrusion. Apply sealant recommended by insulated metal panel manufacturer to seal gaps between panels.



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

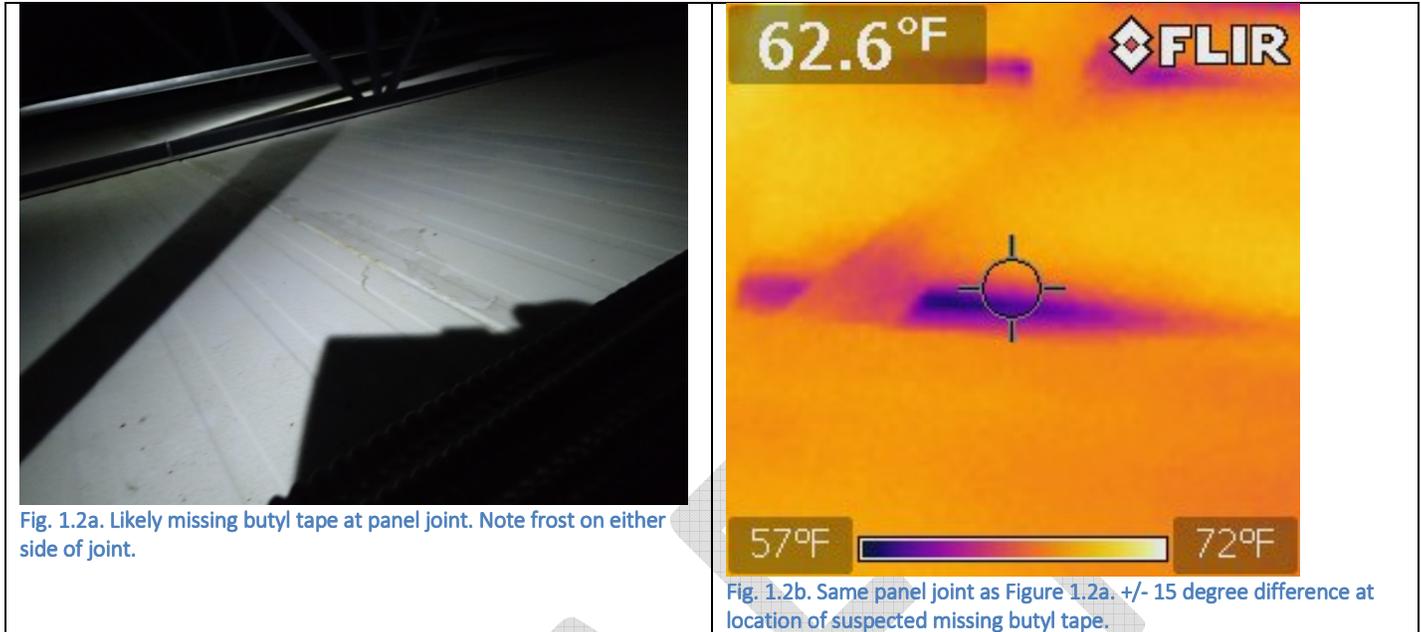


Fig. 1.2a. Likely missing butyl tape at panel joint. Note frost on either side of joint.

Fig. 1.2b. Same panel joint as Figure 1.2a. +/- 15 degree difference at location of suspected missing butyl tape.

ISSUE 1.3, Add heat to concealed soffit.

Reported Problem: No heat within the concealed soffit space.

Observed Conditions: The space was designed to be heated with surplus heat from the adjacent accessible crawlspace and from the radiant floor above. If HVAC systems were operating correctly and insulation was continuous, the concealed space should be able to maintain above freezing temperatures. However, it appears that this may be insufficient to maintain above freezing temperatures during extended cold weather. Accessing and heating the space is made difficult by wide flange beams running the length of Grids 8 and Grids 9 which divide the concealed soffit space into two zones and limit air circulation.

Proposed Solution: If desired by the City of Bethel, supplemental heat in these spaces would provide one more safeguard to prevent frozen pipes in the future. We recommend a few different strategies to accommodate the various plumbing elements:

- *North of Grid 9:* Install lengths of fintube adjacent to waste lines coming from Conference Room sink. Provide insulation around plumbing traps serving FD-1 (Vestibule) and FD-2 (Boiler Room) floor drains.
- *North of Grid 8, South of Grid 9:* Install two small unit heaters within the concealed soffit space; install one unit heater near Concessions 104 sink, and one near Boiler Room 129 plumbing. Heaters should be readily accessible to new access hatches from below the building. Aim unit heaters in such a way as to create a convection current when unit heaters are operating. HWS/HWR piping that is added to feed these new terminal heating units needs to connect to the 4" HWS/HWR mains located north of grid 7 (running between grids D and H). See drawing M201.

See memo from AMC Engineers attached to this report for further information. It should be noted that continuity of the thermal envelope should take precedence over supplemental heat.

ISSUE 1.4, Ensure water is removed from soffit space.



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

Reported Problem: A significant amounts of water was introduced into the soffit space when the domestic water to the Concessions sink burst.

Observed Conditions: Ice was present in many (exterior) locations that had dripped from gaps in the soffit and wall framing of the concealed soffit space. The interior of the soffit north of Grid 9 did not have any water present at the time of my visit. I did not access the soffit between Grids 8 and 9 due to the presence of the Frost Fighter.

Proposed Solution: Ensure that all moisture is removed from the soffit space. The Frost Fighter is likely dehumidifying the space while it is operating. However, crews should use a moisture meter to confirm that water has drained and evaporated to ensure that it does not create additional damage due to saturation, nor create an unhealthy environment due to mold.



Fig. 1.4a. Significant amounts of ice at panel joints where water had leaked from burst piping.



Fig. 1.4b. Ice present at access door cut into soffit panel.

ISSUE 1.X, Missing insulation at transition from soffit to wall panel. (THIS SECTION MAY BE ADDED, PENDING CONFIRMATION FROM CORBIN)



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

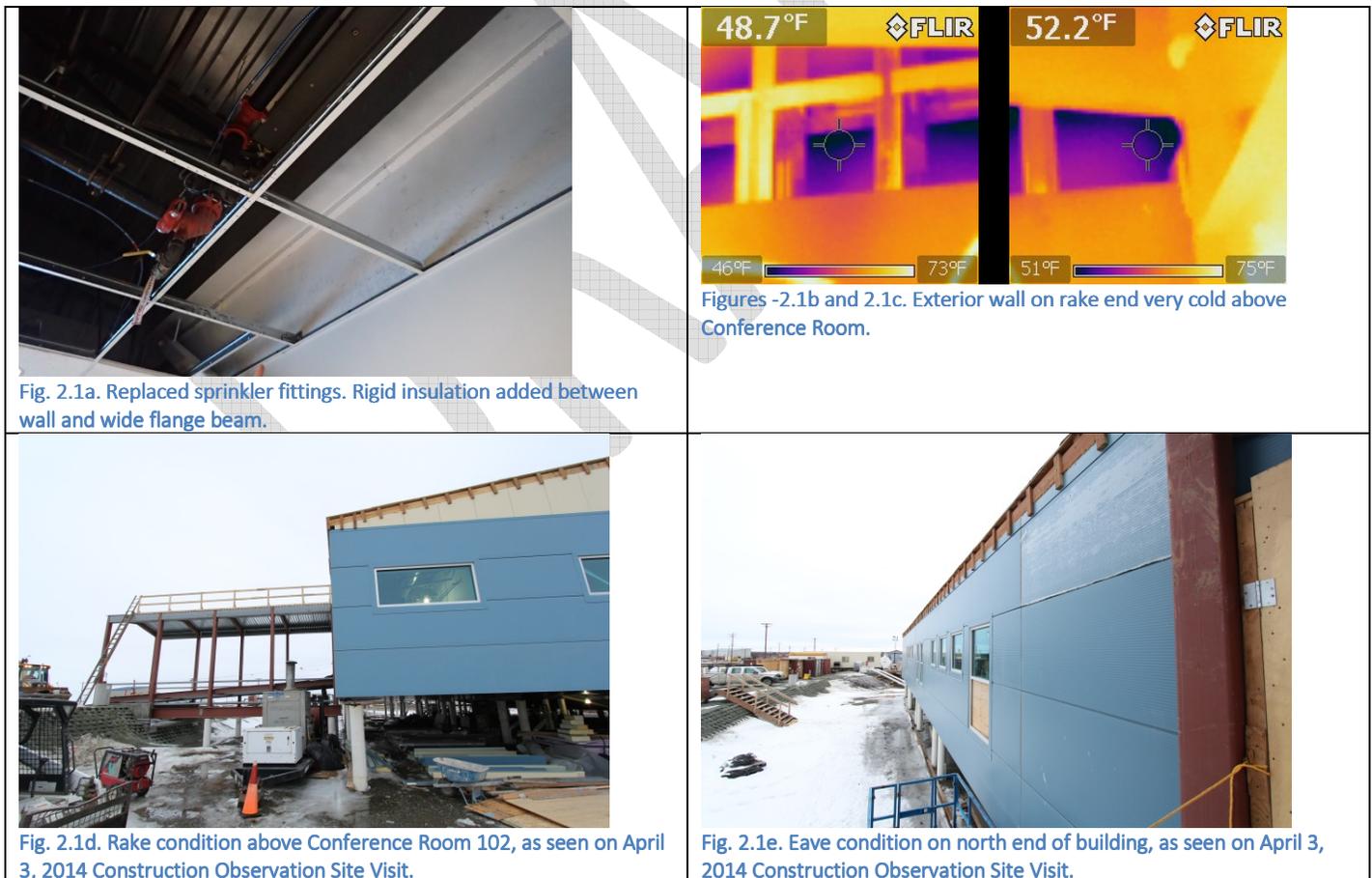
ISSUE 2, Cold concealed ceiling space above Conference Room 102 and Vestibule 100, and associated frozen and burst sprinkler piping.

ISSUE 2.1, Conference Room 102

Reported Problem: frozen sprinkler piping was discovered above the ceilings of Conference Room 102 and Vestibule 100. Frozen pipes were reportedly discovered due to slow leaks into the rooms below; the system was drained before significant damage occurred. Significant cold air was felt in the area of the wide flange beam at the building eave.

Emergency Repairs: Accel Fire had performed emergency repairs to remove broken pipe fittings, pressurized the system to test them, and then drained the sprinkler system to prevent the possibility of additional freezing. The facility is now on a 24 hour fire watch. Mr. Ford indicated that his crew had placed 2" rigid insulation wedged up between the inside face of the exterior insulated metal wall panels and the wide flange roof beam. This reportedly significantly slowed cold air intrusion. See also attached report from Accel Fire.

Observed Conditions: Several ceiling tiles were removed in the Conference Room to allow for air circulation. Mr. Ford showed the cracked fittings that had been removed by Accel Fire. The thermal camera showed that the eave beam was warm; however, it was evident that the wide flange beam at the rake was extremely cold, likely due to missing insulation.





City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

Proposed Solution: Check that insulation has been installed as indicated in the Construction Drawings. See details A1/A5.01 and B1/A5.01. Add insulation where missing. If insulation cannot be applied from exterior, an interior approach may be possible. However, care must be taken to ensure that structural steel does not become a cold bridge. See also memo from AMC Engineers regarding building controls.

ISSUE 2.2, Cold concealed ceiling space above Vestibule 100 and associated frozen and burst piping.

Reported Problem: Same as Issue 2.1.

Observed Conditions: Same as Issue 2.1. In addition, it was noted that the wall separating Vestibule 100 from Corridor 101 was extended to the underside of the roof deck. This wall was shown in the construction drawings to terminate above the level of the ceiling, and then be open to other ceiling spaces above. (See Building Section A1/A3.01). The higher wall results in an enclosed space in which air cannot communicate to other ceiling spaces; this stagnant air puts wet piping further at risk of freezing because the arctic vestibule below and frequently open exterior doors results in a frequently cold room.

Proposed Solution: Same as Issue 2.2. In addition, cut and remove GWB from 1'-0" above level of ceiling at north wall of Corridor 101 to the underside of the roof for the full width of the corridor, allowing air to communicate between ceiling spaces.



Fig. 2.2a. Eave condition above Vestibule 102. Note that it appears there is missing insulation at the transitions between soffit, wall, and roof.

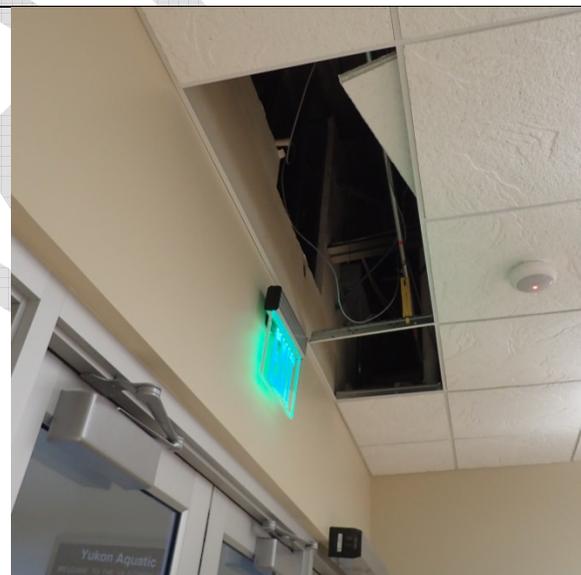


Fig. 2.2b. Wall framing and drywall continues vertically above vestibule doors..



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

ISSUE 3, Leaking roofs at transition between roof levels.

ISSUE 3.1, Leaking Roof in Natatorium

Reported Problem: Roof leaks reported between Grids 2 and 1, B and G during precipitation concurrent with South winds. Facility Manager Stacey Reardon reports that the length of the “mega truss” on Grid 2 between Grids B and G leaks into the pool, and that water drips down the length of the exposed roof joists to Grid 1. She also indicated that the windows on the south wall between grids B and D, and D and E leaked at the head condition during the same rain/wind events. Mr. Arnold indicates that south winds are predominant during the summer months, which corresponds to the times that Ms. Reardon indicates the leaks occur.

Observed Conditions: small areas of rust were apparent at the lowest point of open web joists in the area reported to leak. It appears evident that rain water penetrates along Grid 2, migrates down the structure, and follows the path of the bottom chords of trusses towards the south wall of the building. It is very likely that the windows do not leak, but instead, are subject to this same roof leak following the path of the joists, which then drips through the ventilated plenum assembly, and manifests itself at the head condition of the windows. I could not access the roof to see the condition of wall panels, roofing, or flashings.

Note: rust was also noted on Column A:1. The source of this is unknown.

Proposed Solution: Inspect the roof and high wall assembly for obvious gaps in the transition between the high wall and the roof assembly. Specifically, check the condition and presence of flashing, self-adhered membrane, and foam closure as indicated in Detail D2/A5.01 of the Construction Drawings. If these items are present, it seems probable that wind-driven rain is being pushed through the foam closure and into the ventilated roof assembly below. If so, the flashing should be extended and an addition foam closure should be added. See revised detail D2/A5.01, shown in Figure 3.1f below. Clean areas of rust and apply touch-up paint to prevent further corrosion. Replace damaged GWB near Grid G:2.



Fig.3.1a. Small areas of rust on open web joists and wide flange, associated with leaking roof.



Figures -3.1b Rust noted on Column A:1.



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report



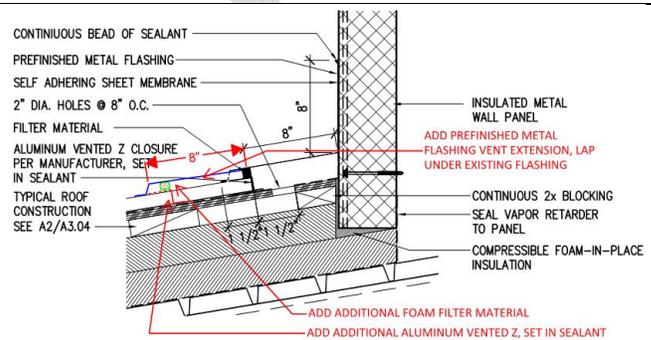
Fig. 3.1c. Efflorescence on CMU and Grout near Pool Equipment Storage



Fig. 3.1d. Damaged GWB at bulkhead near Grid G:2.



Fig. 3.1e. Cracked tile in soffit of window well. Cracks may be associated with water damage, but may also be associated with building movement. Monitor for further movement.



D2 HIGH WALL EAVE EXTENSION
 A5.01 SCALE: 1 1/2" = 1'-0"

Fig. 3.1f. Extend highwall eave flashing. Add additional vented z closure and additional foam closure.



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

ISSUE 3.2, Leaking roof in Fitness and Exercise rooms

Reported Conditions: Similar to Issue 3.1, except that leaks on the north side of the building occur during precipitation concurrent with North winds. These leaks are reported to occur much less frequently than those in the Natatorium. Mr. Arnold indicates that the north winds are predominant during winter months, and Ms. Reardon confirmed that the leaks occur primarily during winter rains and winter snow melts. Leaking has been reported on either side of the wall separating Gallery 105 from Fitness Room 106 and Exercise Room 107

Observed Conditions: Same as Issue 3.1. Windows in these rooms have not been reported to leak. Note that one fire alarm device in Exercise Room 107 shows signs of water intrusion in the strobe.

Proposed Solution: Same as Issue 3.1. Also, check the affected fire alarm device and replace if inoperable. We also suggest adding a temporary piece of flashing “uphill” from the fire alarm to divert drip water away from fire alarm until the roof leaks can be fixed.



Fig. 3.2a. Damaged strobe/annunciator. Inspect to ensure it is still operational and replace if not. Install metal flashing to divert leaking from causing further damage.



Fig. 3.2b. Minor water damage noted between windows in Exercise Room.



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

ISSUE 4, Cold air penetration along rake end of high-wall.

Reported Conditions: Several City of Bethel personnel indicated a “cloud” or “weather system” that occurred at the Natatorium ceiling in the area of Grid G:2 last winter. Apparently cold air was entering the building, and the warm humid interior air was condensing and creating mist. Maintenance personnel reported that they had added significant amounts of insulation to the interior side of the high wall along Grid G between Grids 2 and 3, and that has prevented this condition from occurring since.

Observed Conditions:

- East Side: the added insulation could be seen between wall framing. At Grid G:2, water damage was evident in the form of bubbling paint and efflorescence in the CMU.
- West Side: although no problems have been reported, it was evident with the thermal camera that the transition between the low roof and the high wall was significantly colder than the surrounding roof and wall construction.

Proposed solution: (Applies to both west and east high walls). Inspect roof flashings and membranes for weather-tight and air-tight construction, and repair any damage found. Supplemental insulation may be needed: install closed-cell foam insulation on the interior side of the low roof to high wall transition for full length of high walls. Check for similar conditions on the north side of the building. See proposed detail in Figure 4c.

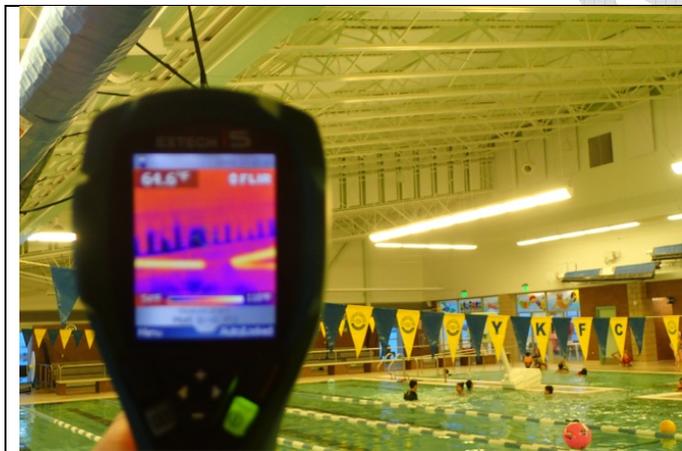


Fig. 4a. Very cold roof:high wall transition

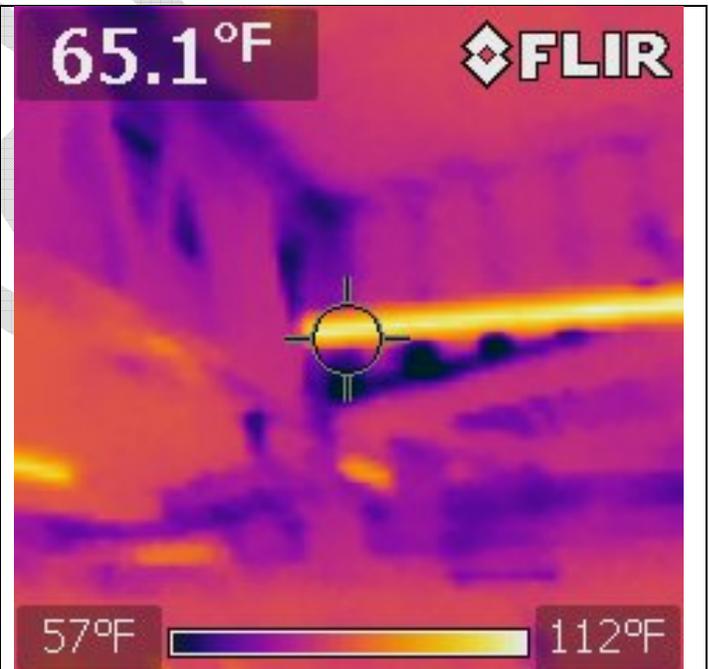


Fig. 4b. Roof to High wall transition at Grid B:2



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

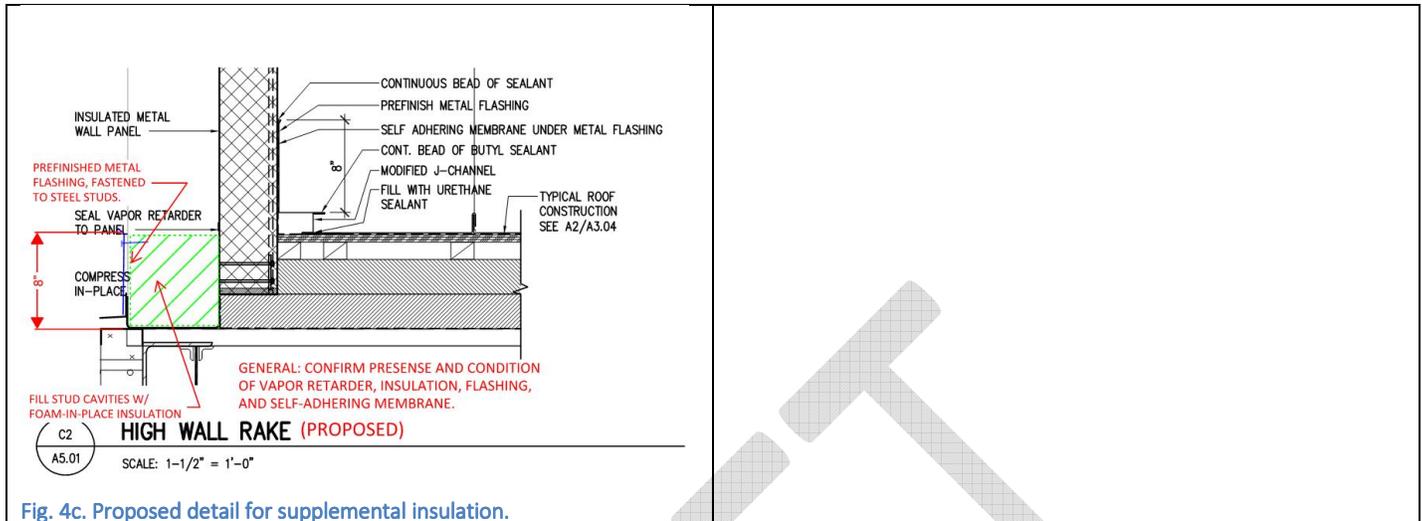


Fig. 4c. Proposed detail for supplemental insulation.

ISSUE 5, Problem: staining on tiles near spa.

Reported Conditions: none.

Observed Conditions: Standing water on the deck of the Viewing Area from the Spa pool covers has resulted in stained tile and grout on the viewing area deck. Mildew was seen on the floor tile indicating that standing water in this location is common. Rust staining was seen in the inset area of tile on the spa wall, and staining continued up the surface of the wall.

Proposed Solution: Clean mildew from tile and grout. Monitor rust staining for advancement. Develop operational protocols to a) place wet pool covers on an area of the deck with positive drainage, and b) use a squeegee to remove standing water from the Viewing Area deck.

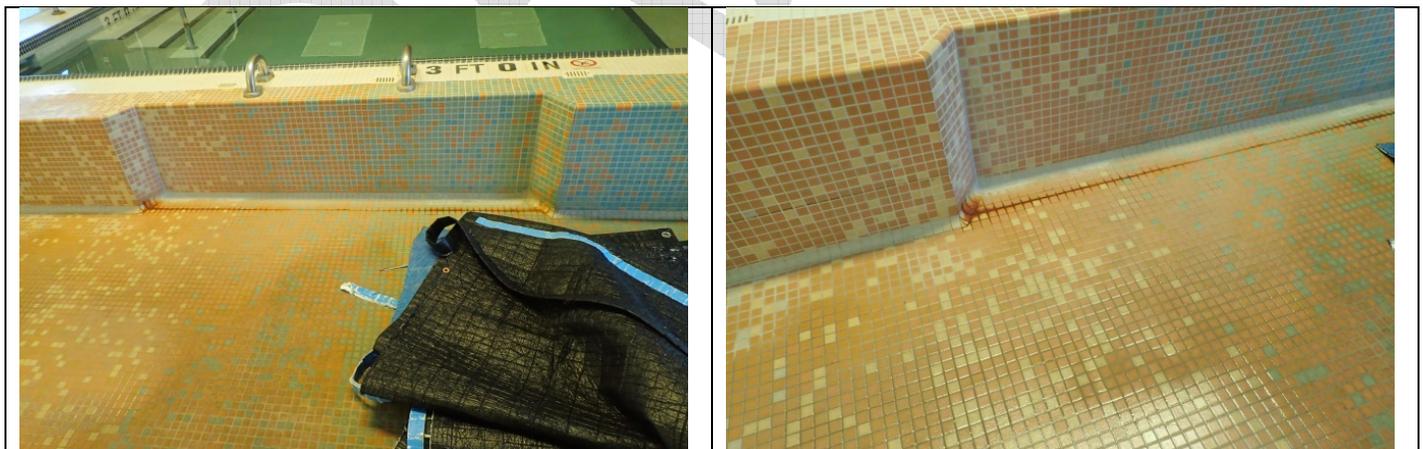


Fig. 5a. Pool cover results in standing water, staining of tile and grout, and saturation of concrete deck to rebar below.

Figures -5b: detail of staining.



City of Bethel Yukon-Kuskokwim Fitness Center Leak Investigation and Mitigation Report

CONCLUSIONS

The Yukon-Kuskokwim Fitness Center is an important asset for the City of Bethel and the surrounding region. Although it is a relatively new facility, it is normal for a building to show flaws for a variety of reasons. This report is intended to suggest solutions to ensure the building's longevity and usefulness.

The YKFC is a necessarily complicated building. The pool creates a difficult interior environment to manage; the harsh exterior environment and its seasonal extremes must be handled; the fragile permafrost that it sits on must be protected; and most importantly, the building must be inviting and welcoming, giving its users and staff a healthy environment to continue their recreational and lifesaving mission. The challenges that these factors pose were visible in our site visit, and it's important that they be mitigated.

Simply put, the building must keep the difficult exterior outside so that it can effectively manage its interior environment. As such, we recommend that the City of Bethel and its personnel prioritize these repair, maintenance, and operational tasks.

Please review this report as well as the referenced reports that follow. Please don't hesitate to contact Architects Alaska if you have any questions or concerns.

Regards,

Steve Schell

Encl:

- *Pool Building Report* by City of Bethel Facilities and Property Foreman, Corbin Ford
- *Memo* by AMC Engineers Mechanical Engineer, Mark Langberg
- *Daily Work Log* by Accel Fire Systems



William Arnold, Public Works Director
1155 Ridgecrest Drive
PO Box 1388 Bethel, AK 99559
P: (907) 543-3110
F: (907) 543-2046
warnold@cityofbethel.net

MEMORANDUM

DATE: 01.31.2020
TO: Bill Howell, Interim City Manager
FROM: Bill Arnold, Public Works Director
SUBJECT: Manager's Report – Public Works Department

Programs/Divisions

Hauled Utilities:

This team is working at absolute maximum capacity. The crew is exhausted but continue to fight through sickness and extreme cold. All trucks are well taken care of by V&E. Bill Arnold and Finance have informed me that they are actively searching for an assistant in my department which will greatly increase organization and output in this office. This department desperately needs more CDL drivers. In my position, I am doing my best to drive when necessary, and to keep up with all emails, phone calls, routes, billing, tank inspections, customer relations which includes taking the On Call phone. We have 1 driver in training with AI but he is new and we don't know how that will work out until we actually get him on the road working with us. I have about 3 drivers that I worry will not be here for much longer, and a fourth that has expressed desire to transfer into another department. I cannot stress enough that we need to find a solution to our driver shortage. Just look at the time cards for each person in this department, you will see that there is not much more output that you can ask of them.

Utility Maintenance: 21 alarms on residential lift stations were responded to. Multiple issues with grinder pumps, heat trace, and float systems.

- Monthly meter reading and service connections were completed
- Clean up and organization of shops and vehicles.
- 21 residential lift station repairs
- Line flushing and leveling activities on low-flow and plugged sewer lines. Non-compliance reports were filled out per DEC requirements.
- Vango troubleshoot and repair heat-trace on several residences and commercial properties.
- Daily safety meetings.
- Replaced multiple residential glycol and water circulating pumps.
- All 3 Utility Maint. Trucks are having issues that require repairs. Several of these are major safety issues. Continue to work with V&E to repair them, but some issues are arising due to 2 of the vehicles are more than 10 years old.
- Multiple sewer line freeze-ups in housing.
- Teen Center lift station freeze-up. Work with building maintenance to remedy.
- City hall lift station plugging up due to flushing of wipes.

- YK Pool lift station freeze-up. Work with building maintenance to remedy
- Police Department lift station plugged up and discharge line freeze-up. Work with building maintenance to remedy.

Property Maintenance:

This report covers last month (Dec 2019) and this month's (Jan 2020). Unfortunately, during the last reporting period our department was overrun with weather related building problems. This prevented a normal monthly report.

- PW Building
 - Fire sprinkling system NOT in operation but, new Simplex/Johnson Controls fire alarm and monitoring system installed.
 - South Bay entrance closed. NO USE. Plans for corrective measures or replace in work.
 - New boiler System lost all pressure and wet into lockout. Troubleshoot system and scoured building for glycol leaks. None found. Make up tank system was drained entirely. Re-pressurized system with approximately 70 gallons of glycol.
 - Building has signs of significant shifting. Doors closure and latching problems in multiple locations.

- City Hall
 - Repaired broken door latching mechanism to side entry courthouse side.
 - Building found cold several mornings in a row during extreme cold spell weather. Boiler found in lockout several times for unknown reason. Troubleshoot and found CAD cell sensor needed cleaned then shortly after replaced.
 - Found fuel tank on courthouse side of building empty during building rounds. Called Delta Western to fill. It was scheduled for later that day anyhow, but made a priority.
 - Power outage occurred twice, both times backup generator failed to start although it attempted multiple times before running battery below voltage warning level. VNE department to troubleshoot and conduct load testing. (This generator powers Fire Department, City Hall and Courthouse)
 - 2019 Summer projects left to complete Summer of 2020
 - Parking line permanent paint
 - Handicap area designation and paint
 - Loading/unloading designation and paint
 - Guard railing
 - Relevel front and rear entrance

- Court House
 - **Dry Sprinkler System:**
 - Dry system is in NORMAL operation minus ONE isolated sprinkler head located on the outside of the building to the left of the front main entrance.
 - The dry system has a small leak in the system piping just above court room 4. Leak is temporarily fixed and holding. Static air pressure is remaining constant with additional help from the fire system air compressor. Pressures checked daily.

- Power outage caused the Elevator system to fail. Troubleshoot and found failed relays. Repaired then reset circuits. System operated normally.
 - Multiple work order for cold spaces, troubleshoot and repaired
 - Several work orders for door closure and latching problems. Troubleshoot repaired.
 - Multiple areas of the building showing signs of significant shifting of piling foundation.
 - Boiler was found in lockout early one morning. Troubleshoot and repaired. Heating returned to building.
 - BAS computer screen in boiler mechanical room failed. Working with IT department to replace.
- Port Office Building
 - Standard daily rounding with nothing significant to note.
- Port Dock Warehouse Building
 - Standard daily rounding with nothing significant to note.
- Old “Bus Barn” Warehouse Building
 - The foundation is failing
 - Man door is no longer accessible as the floor and door jam are being severely affected by the foundation movement.
- Log Cabin
 - Building is in NON USE status.
 - Water disconnected.
 - Fuel tank now empty (Boiler used remaining fuel) and is not on refill schedule with Delta Western.
 - Boiler has been de-energized.
 - Non-essential circuits in building have been turned off.
 - Graffiti and vandalism are a continuing constant problem.
 - Foundation has settled enough that the entrance closest to the ONC multipurpose building is jammed itself and will not operate.
- YKFC - Pool
 - “The Pool” ... Where to begin? (The short and sweet I suppose)
 - Building was reported as feeling chilly and standing water was on all floor drains.
 - Thorough investigation of the reported issue resulted in other discovered problems. All related to the constant extreme cold and relentless wind.
 - Building Automated System/Programming working incorrectly
 - Failed valve actuators and sensors discovered (BAS related)
 - Sewer Lift station Freeze up
 - Arctic pipe leading to lift station freeze up
 - Failed circuit on arctic pipe and lift station heat trace
 - Unheated interstitial space with domestic water and sewer connections. (Which later froze and burst due to temperatures)
 - Large external air penetration issues as a result of poor installation of

materials during construction of the building.

- Thorough inspection of building has found a LARGE quantity of construction/installation related errors.
- Several freeze up and bursts of sprinkler system piping above drop ceiling
- Rented Frost Fighter is only source of heat to the unheated interstitial space and is currently preventing additional freeze ups and breaks of domestic water/sewer in that location.
- Building is being ran in a HANDS ON approach with several of the BAS features and programming failed or not operating correctly.
-
- Both Boilers in good working condition. Minor adjustments being made now to have similar cycles per day on each. COB maintenance checks on these boilers multiple times daily now as part of our normal rounds.
- Reports of roofing materials flapping freely in the wind. Area inspected. This is part of the warranty issues that need to be handled by administration level from original installer.
- Roof leaking during rain and wind. This is a recurring issue and needs to be address by city leadership and the original installers/constructors. Stacey Reardon has videos and photos to show the problem. Bill Arnold has been notified, PnR committee has been informed. IT IS NOT CONDENSATION DRIPPING FROM THE CEILING. The locations of the leaks are consistent dependent on wind direction, speed and rain level. Multiple reports of this issue during this month.
- Changed Air handler filters. (Every other month) Ordered new set for next replacement plus one set for on hand inventory.
- Troubleshooting low temperatures for in floor heated areas. Suspect a failing control valve. Building automated system manages these devices and monitors set points vs actual temps to control. With the BAS being out of contract, there is no one to assist in unlocking sections of BAS to make adjustments within the BAS. Pool manager expressed this may be an issue.
- Power outage Generator switched on, transferred the electrical load and operated the building as required. No issues.
- Police Department.
 - PD employee accidentally pressed the Emergency Shut off switch for the boiler located in the shop/garage area. This caused the entire shop space to eventually freeze. Multiple water and sewer lines broke. Trouble shot, repaired. Additional problems found, repairs still in progress.
 - Residual water from the fuel tank froze inside fuel supply line and filters causing the boiler to fail restart and be nonoperational. Troubleshot, repaired and returned boiler to service. This took several days.
 - Lift station line that connects PD to city sewer lines is frozen. Lift station is on twice daily evacuation service from Hauled services.
 - Power Outage: PD backup generator operated correctly curing power outage.
- Fire Department

- Boiler #1 non-operational, failed Hydrostat and low water cut off relay. Troubleshoot, repaired and placed back in operation.
- Flashing where boiler exhaust passes through ceiling to outside roof inside the hose tower reported.
- Bethel Heights Water plant
 - Standard daily rounding with nothing significant to note.
- City Sub Water Plant
 - Power Outage: Generator failed to operate. VNE troubleshooting
 -
 - Pressure vessel showed signs of failing (water logged) added air pressure to vessel and it began working as intended. Possible issue is inaccurate air pressure gauge.
- Dog Pound building
 - Power outage: Boiler failed to return to operation. Next morning building rounds resulted in finding building completely froze up. More than 20 water lines have burst or broken. Plans for repairs are in the works.
- Teen Center
 - Boilers have failed multiple times this winter. Troubleshoot, repaired and returned to service.
 - Multiple freeze ups and sewer issues due to cold weather.
 - Lift station nonoperational. Hauled services providing daily evacuations
 - Heat trace failures.
- Senior Center
 - All three boilers in good working order. Weekly rounds of the building in place.
- Airport Lift Station
 - Standard daily rounding with nothing significant to note.

Parks and Recreation:

- Parks and Rec in General
 - Projects to be considered for next spring/summer
 - All play parks
 - General maintenance and grounds upkeep
 - Trash can repair/replacement
 - Ground cover/chips upkeep has been halted for winter also out of chips.
 - Equipment repair and maintenance
 - Pinky's Park
 - Potential Softball field refurbish/re-sod/re-seed in discussion
 - Potential dugout repairs, repaint
 - Bleacher maintenance

- Soccer Sports Field
 - Additional Hydro Seed and ground aerate
 - Bike Rack install
 - Build and place information bulletin stand at location
 - Nets install to goal posts.
 - Funding for permanent fencing. Quotations received for two options. Shipping costs equal or greater to the materials cost.

- Airport Cemetery (on Hold status)
 - additional fencing
 - Potential options for hydro seeding

- Boardwalks
 - Boardwalk lighting project materials order
 - General maintenance and upkeep
 - Vegetation trim back
 - Way finding signage options
 - Leveling boardwalk
 - Board replacement as needed
 - Trash can replacement as needed
 - Benches and sitting areas

Vehicles and Equipment:

Fixed lots of stuff. MCO came in for 752. Assisted in the demolition of old laundromat.

Transit System:

The month of January has been a quite month. In January we had 2,817 riders; 138 were paid elders, 103 paid youth, and 892 paid adults and 1684 that had monthly and day passes. Of the 2817, 361 were classified as ADA passengers. We have ADA passengers who are deaf, blind, physically handi-capped, and mentally handi-capped. Some require the drivers to get out and help in and out of the bus.

ONC has purchased 54 senior and 13 adult passes for the month of February. TWC just purchased 100 adult day passes and OCS has purchased one adult pass. It all adds up for more revenue...Our ridership is averaging 110-140 per day.

The City Shop has been very helpful in keeping the bus running. We have had several flat tires that needed repair and several oil and filter changes. With the studded tires on the buses, we were able to continue service when the roads were extremely icy and school buses were cancelled.

The full time driver was off for three weeks and I drove the bus from 6:30am to 2:30pm. The part time driver drove from 2:30 to 6:30pm. Therefore, the bus schedule was not interrupted.

We have submitted Budget Summary Invoices, July through November, to DOT and they have accept all of them.

Landfill / Recycle Center:

We received the landfill inspection report from last fall with a score of 90.6%, a 4.2% increase compared to the fall 2018 inspection and a 17.7% increase compared to spring 2018 inspection. We are back on the right road to steadily improving our standing with the DEC.

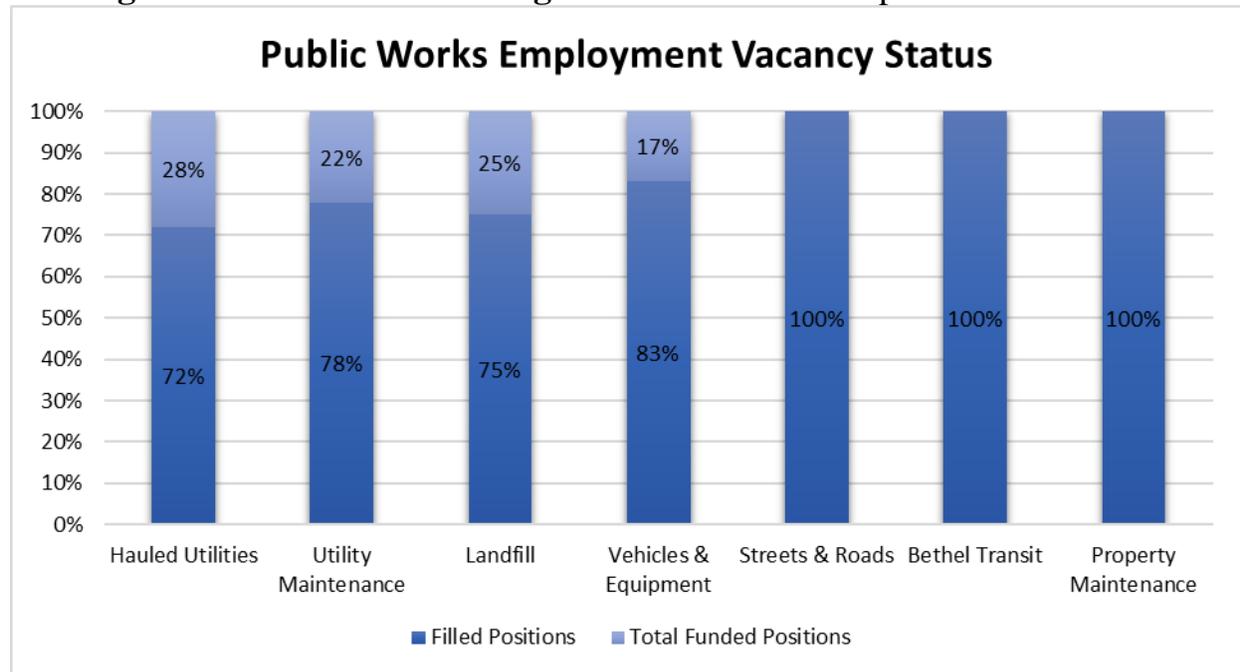
At present, we are building a base to complete our upper new road completely around the landfill. This will enable us to fill in all the low areas and start from the center and move outward improving the lack of standing water because it will be able to be ditched to a holding cell at the edge of the property.

Water Plant Operations:

- Bethel Heights Water plant
 - Both Main boilers are online and operating for winter. Minor service needed. Small boiler placed in “off” status for winter
- City Sub Water Plant
 - Minor adjustments and repairs being made to the A and B loop glycol line returns and supply. Pump boiler pressures up with additional glycol and brought boilers to online/operational status for winter.

Institutional Corridor Update:

Staffing Issues/Concerns/Training: Chart Information Updated: 01/31/2020



Department	Hauled Utilities	Utility Maintenance	Landfill	Vehicles & Equipment	Streets & Roads	Bethel Transit	Property Maintenance
Filled Positions	13	7	3	5	5	3	5
Total Funded Positions	18	9	4	6	5	3	5