

140 Woodriver Elementary School Area Air Quality Complaints 2008-2011, Public Record Request from FNSB, Fairbanks, Alaska
 [Complainants personal identifiers deleted unless involved in their professional responsibility.]

Count	ID #	Occurrence	Complainant	Complaint
1.	15	8/20/2008	Woodriver neighbor	VERY CONCERNED ABOUT THE 2 OUTDOOR WOOD BOILERS INSTALLED ON 5035 PALO VERDE ACROSS FROM WOODRIVER SCHOOL IN UNIVERSITY WEST AREA!! Very concerned that these OWBs are installed in zero lot line brand new homes, and right across from the school's playground. This is a terrible health risk to everyone around, especially the children across the street.
2.	29	11/12/2008	Woodriver Elementary nurse	On 11-11-08 Woodriver School called DEC and complained that heavy wood smoke from two Outdoor Wood Boilers from across the street was coming directly into the school's air intake system and making teachers and children nauseous and ill. Some teachers even said they may have to go home or not come in the next day if it was going to be that bad again. The State DEC office was closed Tuesday (holiday) so they could only respond on the following day. Moses Coss from DEC called Todd Thompson, FNSB Air Quality, Wednesday the 12th, to see if he could accompany himself and Robyn from DEC to the school to assess the situation.
3.	32	11/13/2008	Woodriver Elementary nurse followup	Email from DEC: On November 12, Fairbanks ADEC and Fairbanks North Star Borough Air Quality staff responded to a wood smoke complaint from Woodriver Elementary School nurse. Upon arrival at the school, the PM monitor system did not pick up particulate levels to cause concern. However, there was visible wood smoke from several nearby residential outdoor wood boilers with the average opacity above 50%. The smoke levels earlier in the week may have been heavier but may have dissipated with fluctuating air flows and wood boiler operations. Earlier in the week some students and teachers complained of sore throats at recess, and students had to use their inhalers more often. Currently the school will notify ADEC immediately and may shut off their ventilation system during peak smoke. Investigation and coordinated plan of action regarding a public health advisory and the sources of wood smoke is ongoing.
4.	48	12/16/2008	Woodriver	[Resident] wrote an email: I live behind Woodriver School on [street name

			neighbor	deleted] Drive. I have only lived here for three years, but this is the worst winter for smoke that I have experienced. Today when I returned home from work (I am employed by the school district as a teacher), I could see the smoke hovering in the schoolyard lights. I parked my car in the garage, closed the door, and stepped out into a very smoky garage. Luckily, my HRV keeps the smoke out of my home. I have asthma which reacts very negatively to smoke. But why do I have to pay for clean air to come into my home? Also, I cannot use cheap wood to heat my house due to my allergies, so why do I have to breathe my neighbor's byproducts from a cheaper source of fuel? When I come home, I like to take my dog out on a long walk to exercise both of us. Today this is impossible due to the poor air quality. I'd like to know what you are doing for the citizens of the North Star Borough on days such as today, when it is unhealthy to go outside in the few hours of sunlight that remain. Please let me know if you are enforcing air quality standards in my neighborhood. The residents and [complaint cut off]
5.	53	1/12/2009	Woodriver principal	Joan Hardesty (DEC) received a call from the principal of Woodriver School, Star Patterson, and she said a parent had requested she call (DEC) since her child was the second to go home today due to his/her asthma. The principal said smoke was blowing towards the school today; she's gotten used to smoke in the school and hadn't noticed until the parent pointed it out.
6.	54	1/12/2009	Woodriver parent	Her kids go to Woodriver School, and she was there around noon to drop off lunch. She noticed that inside the school it smelled very, very bad like wood smoke. Was very concerned for the well-being of her children!!
7.	56	2/17/2009	Woodriver parent	[Parent] called DEC and spoke with Hardesty [DEC]. She had talked with the school principal who suggested she call DEC. [Parent] said she had just picked up her child from school and the air quality was awful around the school, she could see smoke coming out of a stack about 50' from the playground. She said her child said they could smell smoke in the hallways at school. She didn't think it was right that one family could so adversely affect the entire school. She asked if the area had been monitored and Hardesty said the FNSB had been out there with their monitoring van. Hardesty said DEC was aware of the problem and asked for her phone # for the record. Hardesty called Jim Conner at FNSB, Jim said he'd try and send someone out to read the smoke, and maybe send the van if it was available / close by. He, along with Hardesty, also thought that

				since it had been snowing, AQ wouldn't have been an issue today.
8.	58	2/26/2009	Woodriver neighbor	The Outdoor Wood Boiler located at 58 Trinidad is absolutely a nuisance!! Burning all the time, smoking all the time. They are documenting the amount it smokes. It has a very corroded stack, 8 foot high. They approached the owner, and the owner went ballistic on them! Very hostile. The smoke is not only bothering [resident] and his neighbors but is blowing into the Woodriver Elementary School playground and school building!
9.	69	4/13/2009	Woodriver neighbor	They live [location deleted] to Woodriver School, [location deleted] to the Outdoor Wood Boiler on 58 Trinidad, and cannot go outside because of the smoke! They can't open windows because it fills house up with smoke, and can't go outside to work because of smoke from the OWB. What can be done?
10.	70	4/16/2009	Woodriver neighbor	[Resident] left message on Todd's phone about the OWB on 58 Trinidad, on how bad it was smoking at 11:23 a.m. Very concerned with the amount of smoke the unit produces.
11.	72	4/17/2009	Woodriver neighbor	The OWB on 58 Trinidad is producing very thick smoke again at 10:23 a.m.!!
12.	73	4/17/2009	Woodriver neighbor	The OWB on 58 Trinidad is smoking really bad again at 11:20 a.m. SECOND COMPLAINT BEFORE NOON!
13.	75	4/30/2009	Woodriver neighbor	The Outdoor Wood Boiler on Trinidad was producing a lot of BLACK SMOKE , 8:20 p.m., and was very stinky outside. Couldn't enjoy being outside in yard.
14.	77	5/1/2009	Woodriver neighbor	[Resident] called and left another message on Todd's phone about the Outdoor Wood Boiler making a log of black smoke, smoking BAD!! This was at 10:12 a.m.
15.	78	5/4/2009	Woodriver neighbor	9:40 p.m., the OWB at 58 Trinidad, producing black smoke, real bad!!
16.	80	5/5/2009	Woodriver neighbor	Todd talked to [resident] Wednesday morning about her complaint for the night before, 5.5.09 at 10:00 pm at night. [Resident] said the outdoor wood boiler at 58 Trinidad was producing thick smoke AGAIN , and has been every night for quite awhile. She is worried about what she is going to do when she starts working outside in the evenings, and has to open her windows at night when it starts getting too hot to keep them closed????????????????????
17.	81	5/6/2009	Woodriver	[Resident] left a message at 7:57 p.m., 5/6/09, and wanted to make another

			neighbor	official complaint about the OWB on 58 Trinidad and the smoke it is producing. The boiler was producing dark smoke, and has been at night for quite awhile.
18.	82	5/7/2009	Woodriver neighbor	[Residents] came by the office and gave Todd [FNSB employee] pictures of the OWB next door to them at 58 Trinidad. The pictures show the OWB smoking heavily. [Resident] has asthma, and described that ever since the OWB has been installed, last fall, that his asthma has been acting up, and can relate it directly to the wood smoke coming from the boiler
19.	83	5/16/2009	Woodriver neighbor	Neighbor at 58 Trinidad, next to Woodriver School, has been using his outdoor wood boilers, both of them, every day. Just calling in this day because it is real bad, smoke, something needs to be done!
20.	11	10/16/2009	Woodriver neighbor	A coal burner, three houses down from [resident's] house, is making a lot of smoke and is terrible. Her 4-year old daughter has asthma and can't go outside. Very smelly. This is down Chena Small Tracks, near Prospect.
21.	24	11/18/2009	Woodriver neighbor	[Resident's] neighbor, at 58 Trinidad, has his OHH going again, and when she was outside today, the smoke was very bad. It was blowing towards the Woodriver School. Wanted to know if the borough and state had come up with any regulations yet.
22.	26	12/5/2009	Woodriver neighbor	[Resident] left a phone message on Saturday that the OWB on the corner of Trinidad and Palo Verde was bellowing a huge amount of black smoke, at 1:55 PM.
23.	30	12/9/2009	Woodriver neighbor	[Submitted by DEC] On December 8, 2009, the Fairbanks TV office received a message concerning excessive woodsmoke at the Woodriver Elementary School from the principal's office. Inversion- FNSB advisory in effect. Many homes burning wood in their private residences in that subdivision. Response pending- due to work load.
24.	31	12/9/2009	Woodriver neighbor and parent	When picking up my daughter at Woodriver Elementary School at 3:30pm today the air smelled as if someone in the vicinity was burning wet wood in an outdoor boiler. I also smelled that wet wood smell outside my house. There are two wood boilers very close to my property one behind my house on Purdue Way a cul-de-sac off of Stanford and one in the Yale Way cul-de-sac.
25.	35	12/16/2009	Woodriver School nurse	Bad smoke at school on this day.
26.	61	1/21/2010	Woodriver	The air quality from wood smoke is very bad at the Woodriver Elementary

			teacher	school today.
27.	62	1/25/2010	Woodriver principal	The outdoor wood boilers on the corner of Trinidad and Palo Verde is producing a lot of smoke. It is very bad, can smell the smoke on the kids after recess.
28.	63	1/26/2010	Woodriver neighbor	[Resident] is the grandmother of a child that attends Woodriver Elementary school. She understands the need to heat, but the smoke is very bad, coming out of the OWB on the corner of Trinidad and Palo Verde. Her clothes and vehicle smelled like smoke when she got home after dropping off her grandchild. She is very concerned about the health of the children at the school.
29.	64	1/26/2010	Woodriver teacher	[Resident] is a teacher of the Woodriver Elementary School and called in to complain about the amount of black smoke billowing out of the OWB on the corner of Trinidad and Palo Verde. It stinks, it is thick black smoke, and it is very concerning about how it is affecting the kids.
30.	67	1/27/2010	Woodriver parent	[Resident's] son suffers from asthma. He attends Woodriver Elementary school, and has asthma related symptoms when it is smoky. Had asthma attacks recently from the heavy wood smoke in the area.
31.	70	1/29/2010	Woodriver teacher	[Resident] is a teacher with the school district, and is teaching at Woodriver Elementary right now. [Resident] is an asthma sufferer, and at 9:00 am when he went to work at Woodriver School, it was very smoky, and affected him physically. His asthma started to act up. He was pretty sure he could smell coal.
32.	72	1/29/2010	Woodriver parent	[Resident's] daughter attends Woodriver School. The smoke is so bad in the area, and she is very concerned about her daughter's asthma.
33.	73	2/1/2010	Woodriver teacher	[Resident] called in to report how very smoky and very stinky it was at the Woodriver School area.
34.	74	2/1/2010	Woodriver grandparent	There is a strong smell of wood smoke around the Woodriver Elementary school this morning at 9:00 AM. I saw the borough van monitoring in the neighborhood, thank you for keeping a close observation on this area.
35.	81	2/9/2010	Woodriver parent	There is a very strong smell of coal and wood smoke at Woodriver Elementary School, very bad!
36.	76	2/10/2010	Woodriver neighbor	Woodriver School is disgusting and has been for several weeks now. The coal smoke from a neighboring house has filled the school classrooms, hallways, and playgrounds for most of the winter. Nearly 500 people spend the majority of their day in this unhealthy, toxic building. Children run at recess and fill their lungs with pollution, teachers scurry through the halls breathing shallowly so as

				not to be reminded of their unhealthy workplace. PLEASE CONTACT THE HOUSE ACROSS THE STREET AND TELL THE OWNERS WHAT THEY ARE DOING TO A BUNCH OF KIDS AND TEACHERS!
37.	78	2/10/2010	Former Woodriver neighbor	As a former Fairbanks resident, who still has family living there, I am very concerned with the air quality. I read the News-Miner daily and was very dismayed by the article about the air quality near Woodriver Elementary, where my niece attends school. It appears that officials would rather endanger the lives of children than to stand up to people who don't mind polluting everyone's airspace.
38.	79	2/10/2010	Woodriver teacher	The air quality near my daughter's school - Woodriver Elementary - often seems quite bad. I noticed it this morning and heard other mention it as I walked into the school, so I thought I would write you a note. On warmer days like today, the students spend recess outdoors running around - as they should. It worries me that my daughter might be exposed to health-compromising levels of particulates while she is doing otherwise healthy activities. I don't know if FNSB currently monitors air quality outside the schools, but this would be a good precaution.
39.	80	2/10/2010	Woodriver principal	On the night of Feb. 9th, at Woodriver Elem., during a late night meeting, the smoke was very bad, smelled very bad. And the next morning, Feb. 10th, at the school it was still very smoky and smelly!
40.	85	2/19/2010	Woodriver teacher	The classroom air is extremely bad due to the smell of woodsmoke. It began around 2pm today and is lasting through the end of the school day. As a teacher I am very concerned for my 1st grade students health with this level of exposure. For myself, my sinus membranes are burning, eyes are watery and a headache is beginning. My students also report similar issues and remark on the smell of smoke. Anything that can be done to enforce air quality and improve the situation is appreciated.
41.	86	2/19/2010	Woodriver teacher	The air inside Woodriver School became smelling like smoke around 2 pm. This has happened for a couple days now. I don't know what's causing it, but my students all put their shirt sleeves over their noses and mouths. It affected my voice, it was so strong. I have asthma and I could feel the constriction in my chest, so I know the smoke was inside the building.
42.	87	2/19/2010	Woodriver	Smoke coming in to Woodriver School today between 2 and 3 pm from across

			teacher	the street on Palo Verde. Very strong. Students and staff complaining of burning eyes and those with asthma complaining of bronchial problems, myself included. Today the students, while at their desks, were actually covering their noses with their shirts it was so strong. When is enough going to be enough with this problem? We have been dealing with this smoke for some time-- this year and last--and these stoves do not belong right across the street from an elementary school. It is bad. Come and visit us some afternoon. [Teacher], Second grade teacher, Woodriver Elementary School
43.	88	2/22/2010	Woodriver nurse	Acrid, foul-smelling smoke filled air outside Woodriver School.
44.	89	2/22/2010	Woodriver teacher	Strong smell of smoke in the parking lot when I arrived at Woodriver School this morning at 7 AM
45.	90	2/22/2010	Woodriver teacher	The air quality around Woodriver Elementary this morning is awful. I work at Woodriver and have a headache each and every day by mid-morning. During the weekend, when I am not around the smoke, I have no headache. The air quality around the University West neighborhood MUST improve. No one should have to live with this daily.
46.	91	2/22/2010	Woodriver parent	I am concerned about the air quality at Woodriver Elementary School. At 8:30 am this morning, the air was smoky and had a strong wood odor.
47.	96	2/23/2010	Woodriver teacher	Approximately 11am the air quality around Woodriver Elementary went from so-so to POOR! This is an ongoing issue that needs to be addressed.
48.	97	2/23/2010	Woodriver nurse	Strong smoke smell, smoke in air, on children's clothing as they entered school even. 3 students have had asthma symptoms before 11 am.
49.	98	2/23/2010	Woodriver teacher	The smell of woodsmoke is very strong at 11:53 am in my First Grade classroom. It is causing irritation to eyes and throats.
50.	113	3/1/2010	Woodriver parent	I dropped my children off on Monday morning at Woodriver School. The air was hazy and there was a strong coal smoke odor. I want to know what is being done to eliminate solid fuel boilers in populated areas of the borough. I understand the borough has been charged with enforcing the PM 2.5 program on behalf of the state. For a moment, why is it considered acceptable for me to sacrifice the health of my children to subsidize someone's heating bill? I would testify in the "public" forums the Borough has sponsored on this issue, but I fear for my safety in doing so. The Borough Assembly has not maintained order in these meetings and the result is a biased presentation from the public. How can I

				testify without being threatened. I have come prepared to testify on this issue, but left with my testimony in hand out of fear of reprisals by the people on the other side of this issue. What is being done to improve air quality in the Borough now that we all know these boilers are the problem?
51.	114	3/1/2010	Woodriver grandparent	Monday, 3-1-10, AM and PM, Woodriver Elementary School, strong smell of smoke air. Tuesday 3-2-10, AM, Strong smell of smoke around Woodriver Elementary School.
52.	110	3/2/2010	Woodriver teacher	Please do something to take immediate action against the residents around woodriver elementary school, and all other offending residents near schools! The air this morning is sickening. Classrooms and hallways are difficult to breathe in. WHY CAN'T WE DO SOMETHING FOR AT LEAST THESE TWO HOUSES?!?!?!?!?!?
53.	118	3/4/2010	Woodriver teacher	It is the magic fire stoking time - 2 pm and the building smells like I am sitting around a campfire. The inside and outside air quality is terrible.
54.	105	3/9/2010	Woodriver neighbor	Horrible odor of smoke in Woodriver area. Like a forest fire!!
55.	128	3/18/2010	Woodriver parent	[Resident] concerned about the air quality at Woodriver School. There is persistent smog. Why haven't those boilers been shut down? Is something being done about this? What is the next step in this process with the new ordinance?
56.	133	3/18/2010	Woodriver neighbor, grandparent	Extreme wood smoke smell. Woodriver Elem. And surrounding area.
57.	134	3/18/2010	Woodriver parent	To Whom It May Concern: At this moment, the air quality index noted on the Borough's air quality program's web page indicates "GOOD." I just dropped my two daughters off at Woodriver School and had to breathe what I describe as "DENSE SMOG" which had a source at two, perhaps more, outdoor boilers immediately across from the school. I saw the Borough's draft air quality ordinance that will seek to "grandfather" these boilers. These boilers are a huge health risk problem around schools, hospitals, and old-folks homes. A safe-zone must be established around these areas. A health study in the school next year finding adverse impacts would seriously erode the public's opinion of the Borough's capacity to manage this issue. Thanks Todd [FNSB employee], please call me when you receive this message.

58.	135	3/18/2010	Woodriver parent	I live in the University West area. I drove my 8-year old daughter to Woodriver school this morning. While the air seemed fine at my house by the time I reached the road beside the school my eyes were beginning to burn. By the time I was in the parking lot and my daughter opened the car door, we were both coughing and having trouble breathing. Neither of us have breathing problems normally. Some of the children that were walking into the school had their hands covering their mouths and noses. When I checked the air quality on your website, it said it is good but at the same time is horrible over at the school. I did contact the school after I arrived at work and let them know my concerns. I asked if they have a way to check the air quality and they said no. At the very least, I think the borough should give them a way to check the air quality so they can determine if the kids should go out for recess or not. Again, at my home the air seemed fine but blocks away at the school it was terrible. I understand that the borough is working on a solution for this. While I don't feel everyone that owns the wood burning boilers should be punished for a few that are causing these problems, something has to be done. I would like to know how often the borough is measuring the air quality in this area especially at the school and what is being done to help protect these school children and homeowners that live in the area from breathing this unhealthy air. I look forward to hearing back from you.
59.	136	3/19/2010	Woodriver teacher	The air in our First Grade classroom is acrid this morning. It is causing coughing and burning in air passages for teacher and students alike. Yesterday was bad as well and I took a photo of the low-lying smoke hovering around our building.
60.	137	3/19/2010	Woodriver nurse	Smoke in school building, air around building and playground filled with heavy smoke, difficulty breathing x2 students. Pictures taken.
61.	138	3/19/2010	Woodriver teacher	I am an employee at Woodriver Elementary School. During the school years 08-09 AND 09-10 the school, both INSIDE and outside, has been plagued with visible smoke as well as a burning odor of fumes. Last year I had scores of days with burning eyes, irritated throat and a running nose. This year, I have had a sinus infection since Sept 09 and have been treated for the past 6 months with antibiotics. I have been under the care of an E.N.T. specialist, Dr. Raugust. I have undergone allergy testing, two CAT scans and I am currently on my 6th

				week of yet another round of antibiotics. On Tues, March 16, 2010, Dr. Raugust stated that my severe sinusitis is NOT cause by allergies and it IS caused by poor air quality. Particulates in the air have damaged the cilia in my sinuses and they are unable to drain any of the infection. Dr. Raugust stated that to stop being "sick and tired" I will need surgery to remove the infected mucus. This surgery will keep me out of work for two weeks. Also, my son is a student her at Woodriver. Last year and this year, he has had a series of sinus infections and respiratory problems. This year is much worse. He has been diagnosed and treated for bronchitis and two sinus infections in the fall of '09 through Tanana Valley Clinic. Currently, he is under the care of E.N.T. specialist Dr. Raugust. Currently he has been on antibiotics for 10 weeks with no symptom change. His CAT scan is next week. The doctor anticipates that with no symptom change, my 10-year-old son will also be a candidate for sinus surgery. I am tired of living in a toxic environment. On Wednesday, March 17 at 2:15 I was outside for recess duty with 70 first grade students. Six students [complaint cut off]
62.	144	3/26/2010	Woodriver teacher	The smoke smell was bad today, multiple times. I am keeping a log and had forgotten to report this.
63.	140	3/30/2010	Woodriver teacher	The air quality in the Woodriver Building is poor this morning - smell of woodsmoke is heavy in the air.
64.	145	4/2/2010	Woodriver teacher	Terrible smoke smell today, the haze as I drove into the neighborhood at 8:00 am was awful. This should not have to happen in April, a time of the year when it is fairly warm out in the morning. It is ridiculous that I have to wash my hair when I go home from work each night because I smell like smoke.
65.	146	4/2/2010	Woodriver neighbor	The smoke smell is so bad anymore that I feel like I cannot breathe out of my nose. This happens early in the morning, at 11:00 am and in the evening.
66.	147	4/2/2010	Woodriver nurse	Foul smoke filled air around school building and within building.
67.	152	4/12/2010	Woodriver teacher and neighbor	I noticed the smoke in the air this morning as I got out of my car at the Woodriver Parking lot. I live a few blocks from the school, and often notice my dog coming back in the house smelling of smoke. I teach kindergarten at Woodriver, and today the smoke is not only stronger than usual, but I can see the haze. I can smell the smoke in the multipurpose room and in my classroom. Other staff members have complained of breathing issues this morning. My eyes are becoming irritated. I am worried about not only my family's health, but the

				health of my young students who will have to come to school and breathe in this haze. Thanks.
68.	159	5/24/2010	Woodriver neighbor	[Resident] called and talked to Todd Thompson [FNSB employee] about her nearby neighbor burning coal and producing smoke and a terrible smell. Her grandson has asthma and is being affected by the smoke, and has to stay inside.
69.	3	9/16/2010	Woodriver teacher	Wood smoke smell in the building at 10:50-11:10 am.
70.	8	10/4/2010	Woodriver employee	The school's library and some of the classrooms have a strong burning odor.
71.	12	10/21/2010	Woodriver teacher	At 11:35 a very strong smell of woodsmoke came through the building from the neighbor's property.
72.	13	10/21/2010	Woodriver teacher	Woodsmoke smell is strong in the school again today. Started mid-morning. Noses and eyes are burning. Coughing and complaints from students.
73.	17	10/25/2010	Woodriver teacher	Air in our first grade classroom is acrid this morning. Throats are burning.
74.	21	10/27/2010	Woodriver teacher	Woodsmoke smell and irritated airways started at about 12pm today. Kids are just headed out to recess.
75.	29	11/3/2010	Woodriver teacher	Complaint: The students will be arriving under a thick covering of smoke. There is a direct plume extending from a house across the street. It is settled over the building and is directly entering the air intake. On entering the building the smell of smoke is heavy and sinuses are immediately affected.
76.	31	11/3/2010	Woodriver School employee	On Wednesday Nov. 3 around 4:05 PM the smell of campfire was very strong on the side of the staff parking lot at Woodriver Elementary.
77.	32	11/10/2010	Woodriver neighbor	Air quality concern noted near Woodriver Elementary school. Outdoor burner near corner of Trinidad and Palo Verde producing visual smoke discharge circa 9 am. Distinct smell of coal or some other non-wood product in the air.
78.	35	11/5/2010	Woodriver parent	Very smoky and smelly at Woodriver School during kindergarten recess at 1:00 pm
79.	36	11/5/2010	Woodriver parent	Outdoor wood boiler on Trinidad is smoking at 9:00 am. Possibly coal smoke.
80.	37	11/5/2010	Woodriver neighbor	Smoke getting bad from outdoor wood boiler on Trinidad. Smoke from boiler is "getting bad" Woke up with headache (9:12 am)
81.	38	11/5/2010	Woodriver parent	12:02 pm (possibly 11/4/2010) - Outdoor wood boiler on Trinidad. Smoke drifting toward Woodriver Elementary School.

82.	39	11/10/2010	Woodriver neighbor	2:00 pm - Outdoor wood boiler smoking badly
83.	34	11/15/2010	Woodriver teacher	At 3:45 air quality decreased inside with strong smell of woodsmoke.
84.	40	11/18/2010	Woodriver teacher	The air quality as a whole may be "good" today, but at Woodriver Elementary it is POOR and UNHEALTHY as of 8:15 am.
85.	42	11/22/2010	Woodriver teacher and neighbor	I am concerned with the quality of air in my neighborhood. I live in a newer house with a HRV system to help me breathe clean air since I have asthma. However, when I walk my dog outside, I have to breathe the stagnant wood smoke from my neighbor's wood burning stove. He lives [number deleted] doors down from me, but the smoke does not dissipate in our geographically low spot. If I had known all this, I may not have built my house in this neighborhood. I have to live with the smoke from the wildfires in the summer, and now the wood stoves in the winter. I believe in individual freedoms, as long as they do not harm the lives of others in our society. I believe I have as much right to breathe, without resorting to my rescue inhaler, as my neighbor does. He has a right to heat his home the way he likes, but within certain guidelines so that he does not impact my winter activity and the health of the children at Woodriver Elementary. I am not attending the public hearing due to the weather and evening classes, but I truly hope you take my comments into consideration. Thank you for your public service and all you do for the community.
86.	45	12/1/2010	Woodriver teacher	The air has become very bad in the classroom this afternoon. Strong smoke and fume smells.
87.	46	12/2/2010	Woodriver parent	I just dropped my daughters off at Woodriver Elementary school. The air was so polluted with coal and wood smoke that I started coughing and choking the moment I got out of the truck to walk my daughters across the parking lot to the school. My youngest daughter started coughing and complained of feeling nauseated with a headache. For the record, my youngest daughter is seven years old, in first grade at Woodriver, and has developed a chronic cough since attending kindergarten in the 2009 - 2010 school year. By the time we got to her classroom she was crying and complaining of a headache. I will likely have to retrieve her today because the air is so polluted at that location from a handful of wood and coal fired boilers. Why can't or won't you do anything about this?

88.	59	12/7/2010	Woodriver neighbor	Outdoor boiler on Trinidad -dark smoke
89.	60	12/10/2010	Woodriver teacher	Complaints about the smell outside Woodriver Elementary School.
90.	55	12/14/2010	Woodriver parent	Air at Woodriver School this morning at 0900 was very bad. Wood smoke was visible in the lamps in the school parking lot. Smoke filled the air when I dropped my kids off for school and I am concerned for their health going to school there with so many dirty outdoor boilers nearby.
91.	67	12/15/2010	Woodriver teacher	[Teacher] had several complaints about air quality today. Please send a sniffer vehicle by. Please call to report status.
92.	75	1/4/2011	Woodriver teacher	OMG!! The wood smoke smell in the middle of my classroom is AWFUL!!!! It is the worst I have ever smelled!!! This is not okay!!
93.	76	1/4/2011	Woodriver teacher	The air in my first grade classroom is very bad this morning. I can't see the source but the air is irritating our eyes and throats.
94.	77	1/4/2011	Woodriver parent	Daughter attends school at Woodriver school. Coal outdoor stove is noxious. Upset regarding health effects on child and other kids at the bus stop.
95.	78	1/5/2011	Woodriver teacher	At about 2:35 the air quality was extremely poor. Smelled of wood smoke inside the building! I kid you not, we are not making this up!
96.	101	1/21/2011	Woodriver neighbor	I have been home all day with my new baby, yet it feels as though I have been in a smoky bar all night!!! I have a horrible headache from this smoke smell, and I cannot imagine what this is doing to my beautiful baby. I am disappointed that local officials cannot do their job and protect our most innocent and important citizens--our children.
97.	105	1/24/2011	Woodriver teacher	My classroom has a very strong smoke smell this morning.
98.	106	1/24/2011	Woodriver teacher	Nasty smoke smell inside the school building. This is the 2nd time today!! First one was at about 9:30 this morning.
99.	107	1/24/2011	Woodriver school employee	School hallways and computer lab have a very strong smoke odor.
100.	108	1/24/2011	Woodriver school employee	Today, January 24, 2011 the staff at Woodriver Elementary School are smelling the strong odor of woodsmoke IN THE BUILDING. It is currently throughout the entire building. Also, the recess duty staff were outside from 1:00-1:30 and could smell the VERY strong odor of smoke and clearly see smoke pouring out

				of the smoke stack from the house directly across from the playground and the staff parking lot. [Woodriver Elementary employee] is currently having an allergic reaction to the smoke (her lips are getting numb and irritated). My air cleaner in my office has gone from low to "turbo" (the settings are low, med, high and turbo) in the past half an hour.
101	123	1/27/2011	Woodriver teacher	<p>Hello, I am one of the very lucky people that gets to work with 460+ wonderful children every day at Woodriver Elementary. Unfortunately, I am not so lucky when it comes to getting the opportunity to breathe clean air at my work place. There are a few people, who are in very close proximity (100ft of school grounds) to Woodriver, that believe their right to burn dirty wood in their wood stoves outweighs the majorities right to breathe clean air. Should a couple people burning wood affect the ability of 460+ children's ability to go to recess? Because it does. Should a couple people burning wood affect whether or not a child or staff member has to get sent home for the day because the air quality is making them sick? Because it does. Should a couple people burning wood affect the way I smell when I go home from work? Because it does. I think you get my point, and if you don't think those people have an effect on those things, I invite you to spend a day in the shoes of the 460+ children and 100+ staff here at Woodriver. Where are our rights? This is not a once in awhile issue that the school and neighborhood deals with, this is a daily occurrence. A problem that I encounter when coming to work Monday - Friday. Thankfully for me I don't live in this neighborhood, and am able to escape in the evenings and on the weekends, but the children that live in this neighborhood are not so lucky, and neither are the residents, some who have resided here for over 30 years, and until recently have been able to breathe relatively clean air until the not so nice neighbors decided to install their exterior wood burning stoves. There are other means to heat a home, but there is not another means for us to enjoy clean air outside at recess or in the halls of our school. If the borough doesn't have the balls to stand up to those people then you might as well prepare yourself for the federal government to step in and do the job themselves. Thank you for the consideration of my rights too.</p>
102	125	1/27/2011	Woodriver neighbor	We live 3-4 blocks away from Woodriver school and feel strongly the owner across the street should be more responsive than he has been and be prevented

				from using an outdoor boiler. Removing enforcement options for wood smoke will not make this problem go away, especially with this owner.
103	114	1/28/2011	Woodriver school employee	As of 10:00 am Friday, January 28, 2011 the front office staff and myself have smelled smoke in the front hallway of Woodriver. The smell is also in the primary wing of the building. When students left their room to walk to P.E. they said, "There's the smell of smoke again." Another staff member complained of dry itchy eyes. My own sinuses feel irritated, my eyes are watering and I am sneezing.
104	115	1/28/2011	Woodriver teacher	Too bad about the meeting last night on air quality enforcement. Smell is very strong in my classroom this morning! It smelled when I came in just after 8, but it's gotten very thick in the last 1/2 hour (9:30-10am).
105	116	1/28/2011	Woodriver teacher	My goodness- you should be in my classroom right now as we are breathing in noxious smoke fumes from our kind neighbors!!!
106	129	1/28/2011	Woodriver teacher	As the students came in from recess today the house across the street from the First Grade playground appeared to be on fire the cloud of smoke from the outdoor wood boiler was so thick. This is at 12:48pm.
107	130	1/31/2011	Woodriver teacher	We arrived to heavy, heavy smoke surrounding the front of the building. Eyes red, airways irritated. Kids are supposed to snowshoe outside today. Very unfortunate. Crossing fingers on regulations coming.
108	140	1/31/2011	Woodriver school employee	I just returned to the building from a meeting at Central Office. Several teachers immediately approached me and asked how I handled the smoke this afternoon. Although I was not here personally, the staff stated that the smell was IN THE BUILDING, was very foul smelling and was burning their lungs. When I drove down Palo Verde at 3:50, I could see black smoke reaching out from one of the out-door wood burning furnaces and hanging over Palo Verde Avenue and the playground.
109	142	1/31/2011	Woodriver neighbor	The wood boiler at the rental house at Trinidad and Palo Verde is again stinking up the neighborhood. This provides heat for 4 people? Are the majority of people going to continue to suffer so the local slum lord can save money? I'm just recovering from \$32K of sinus surgery which I never needed until now.
110	153	1/31/2011	Woodriver neighbor	As I drive home with my baby into the Woodriver neighborhood, the outdoor boiler near the corner is billowing horrible, toxic smoke. Why must I dread coming home? Because my neighbors are polluting the air in my home...making

				my lungs ache and my head hurt....doing who knows what damage to my tiny beautiful baby? Why are just a few people allowed to give me and my baby lifelong health problems??? Why are the people who are supposed to be protecting the public good from this excessive pollution? Please do not delay action any longer! Protect my baby and the other children in this neighborhood.
111	144	2/2/2011	Woodriver parent	The air this morning at Woodriver School was bad with wood smoke. I am concerned for the health of my children at that location. I noticed this at 0900 this morning. Please do something about the outdoor boilers in this area.
112	150	2/7/2011	Woodriver School employee	[Teacher] called at 12:15 about the smoke coming from the corner OHH on Trinidad and Palo Verde. The smoke was blowing right towards the school, creating a nuisance for the kids outside.
113	151	[no date recorded]	Woodriver neighbor	Wood-boiler near corner by Woodriver polluting the entire neighborhood AGAIN tonight. Why is ONE person allowed to pollute an entire neighborhood? This pollution is beyond a nuisance....it's toxic, and it's deadly. Enforce the law please!!!!!! This person can't go and poison our food or water, so why is he allowed to pollute our air?!?! Someone has to STEP UP and make a real change for our community. Let's not think about these people with wood boilers who want to save a few bucks. Instead let's think about the babies and children in this town who want to LIVE and breathe healthy air in their own home and school. Alaska should be a beautiful, healthy, wild and free place to grow up, but right now it's just a big smoky, toxic disappointment.
114	152	2/4/2011	Woodriver neighbor	It's 9:30 pm, and we just drove home back into the Woodriver neighborhood. The outdoor wood boiler near the corner is blowing a nasty, choking smoke into the air tonight, and we can see a cloudy haze in the light of the street lamps. Oh my gosh, just the smell from the car is horrible. It is so strong that it almost makes you catch your breath. Please do not make my baby breathe this toxic smoke from ONE or TWO homes. They are doing the most damage to this neighborhood and our children here. These people are across the street from a school in a high-density neighborhood, not out in a more rural setting. What is the point of having a Department of Environmental Quality when it does NOTHING to enforce or uphold actual environmental quality?
115	158	2/5/2011	Resident	On 2/5/2011 at about 3:00 PM my wife, two daughters and I were driving past the Woodriver Elementary School. The two outdoor wood boilers in the area

				(5065 Palo Verde Ave and 58 Trinidad) were smoking heavily. I took photos of both houses and have attached them to this message. Note that this was a day when DEC had declared an air advisory for the Fairbanks area. Something should be done to stop the use of these wood boilers on these small lots so close to the school. Note that I have reduced the file size of these photos so they will email easily. I can send you higher res photos if you like.
116	160	[no date recorded]	Woodriver neighbor	Apparently we are back at square one. This boiler is again stinking up the neighborhood when the air quality is rated as unhealthy.
117	162	2/11/2011	resident	At 9:30 am wood boiler, which appears to be in a shed, on 73 Trinidad, was pouring out a thick, heavy smoke plume with was covering the immediate area, across the road from Woodriver School.
118	167	2/13/2011	Woodriver neighbor	This is regarding 73 Trinidad Drive, Fairbanks, AK 99709: I don't think smoke complaints about this property are new, smoke is too often coming out thick and slow from there, but I have also observed that the chimney from the outdoor boiler is not to building code. It is neither above the roof ridge nor does it have any cap to arrest sparks. It looks like there may have been another section of chimney that was removed. It was to code at least the smoke would be exiting another couple of meters higher and would draw better instead of the way it spills out of the low stack and degrades living air space. I know the bureau's hands are tied when it comes to some aspects of enforcing the nuisance of this anti-social neighbor, but there must be a way to enforce the building-Fire and Safety code.
119	174	2/23/2011	Woodriver school employee	At 12:15 pm during primary recess the chimney on Palo Verde Ave closer to Trinidad began billowing.
120	181	2/28/2011	Woodriver teacher	The smoke smell in our building is bad again today. It started about 10:20 and the smoke lingering in the neighborhood was very visible at this time.
121	183	3/1/2011	Woodriver parent	At 9:00am while dropping off his kids at Woodriver Elementary, both of the boilers next to the school on Palo Verde were producing a lot of smoke. The opacity appeared to be 100 percent on both of them at the time.
122	187	3/2/2011	Woodriver School employee	[Woodriver Elementary employee] called and talked to Todd about how bad it was at the time inside and outside at Woodriver School, 10:15am. She said that she doesn't call every time there is smoke, but this occurrence was significantly worse than most others. [FNSB staff report] Todd said the mobile sniffer vehicle

				was in her neighborhood at the time, and was collecting data. We will review the data as soon as it gets to the office.
123	190	3/2/2011	Woodriver School employee	Phone message: [Woodriver employee] just started working at Woodriver Elementary School, and the last few days the smoke in the area from wood burning devices, has been terrible. The air inside the school has been filling up with the smoke from outside, and she has had to go home early due to respiratory issues from breathing the indoor air filled with the smoke from outside. She wanted someone to call her back to discuss what is being done about this serious health issue, and to offer any kind of help she may be able to assist with. [Woodriver Elementary employee] explained that she was having a hard time breathing, and talking, due to breathing the air inside of Woodriver school. She said she had made a doctor's appointment because of how bad it was.
124	193	3/5/2011	Woodriver neighbor	It's 7:30 pm in the Woodriver neighborhood on Saturday night, and the smoke outside is suddenly so thick that I almost can't believe it. I am not sure that people living outside of this area understand that it isn't just the smell of smoke.....it's like having your face right in a choking cloud of campfire smoke with no relief. This is a PUBLIC HEALTH issue, and it is a disgrace to this town and this state to let it continue. Anyone in public office or public service who sits on their hands while babies and children breathe this smoke should be ashamed.
125	196	3/7/2011	Woodriver parent	[Woodriver parent] called and left a message about the 2 outdoor wood boilers next to Woodriver school. At 9:15, both boilers appeared to have over 50% opacity, and the whole area was polluted with wood smoke from the boilers.
126	197	3/7/2011	Woodriver parent	The two outdoor wood boilers next to Woodriver school are both smoking, very thick smoke, the whole area is filled with smoke.
127	198	3/9/2011	Woodriver school employee	RIGHT NOW, 9:50 AM ON WEDNESDAY MARCH 9, 2011 we are once again experiencing smoke IN THE BUILDING at Woodriver Elementary School in Fairbanks, Alaska. The smoke is coming from two outdoor woodburning furnaces located directly across the street from the school. This has been occurring on a regular basis since September of 2008 when the OWB furnaces were installed across the street. Regular basis means this: September 2008-April 2009 we had the smell of smoke IN the building every

				<p>day and visible smoke IN the building 1-3 days per week. September 2009-April 2010 we had the smell of smoke IN the building every day and visible smoke IN the building 1-3 days per week. September 2010-NOW we have the smell of smoke several times per week and visible smoke IN the building a couple of times per month Please work to mitigate this immediate health hazard as well as to legislate measures that will protect our health (60 staff members and 456 students).</p>
128	199	3/10/2011	Woodriver school employee	<p>This is a new email. I just opened the door, stepped out of my windowless office and was immediately hit with the smell of smoke IN THE BUILDING at Woodriver Elementary School. RIGHT NOW, 10:19 AM ON THURSDAY, MARCH 10, 2011 we are once again experiencing smoke IN THE BUILDING at Woodriver Elementary School in Fairbanks, Alaska. The smoke is coming from two outdoor woodburning furnaces located directly across the street from the school. This has been occurring on a regular basis since September of 2008 when the OWB furnaces were installed across the street. Regular basis means this: September 2008-April 2009 we had the smell of smoke IN the building every day and visible smoke IN the building 1-3 days per week. September 2009-April 2010 we had the smell of smoke IN the building every day and visible smoke IN the building 1-3 days per week. September 2010-NOW we have the smell of smoke several times per week and visible smoke IN the building a couple of times per month Please work to mitigate this immediate health hazard as well as to legislate measures that will protect our health (60 staff members and 456 students).</p>
129	200	[no date recorded]	Woodriver neighbor	<p>It's 8 pm in the Woodriver neighborhood, and the two outdoor boilers near the school and the coal boiler nearby are all chugging out smoke again. I have a headache from this heavy air, and my baby is crying. It makes me wonder, "Does my innocent baby have a smoke headache too?" There has been nothing done about these boilers, so apparently the Borough and the DEC think that babies don't need to breathe....</p>
130	204	3/11/2011	Woodriver	<p>It's 7:45 pm Friday, and the 2 OWB's across from Woodriver are both pushing</p>

			neighbor	out heavy plumes of smoke tonight. Since there is more light in the sky now, you can actually see the thick haze coming straight from these two boilers and then spreading across a neighborhood full of families. The air is visibly cloudy and smoky in the light of the street lamps. And I know the smoke isn't just a problem in my neighborhood--these wood and coal boilers are popping up everywhere. The Fairbanks Visitors Bureau, the Fairbanks Economic Development Corporation and the Fairbanks Chamber of Commerce should just start warning people that Fairbanks is a toxic town to visit, start a business, or raise a family. Fairbanks has no future with this kind of pollution.
131	212	3/21/2011	Woodriver neighbor	Complaint: 8:45 pm Monday. It's totally smoky over near Woodriver and University West AGAIN tonight. And this weekend, we pulled our stroller out of the outdoor storage shed, and it REEKED OF SMOKE from sitting out in the woodsmoke all winter. Unbelievable. I can't stand to have the stroller in the house because the smell was so horrible, let alone put THE BABY in it. Way to go, Fairbanks Assembly, Alaska DEC, and legislators! Let people burn whatever they want, whenever they want to heat their homes. This plan is working great!
132	215	3/25/2011	Woodriver neighbor	8:45pm Monday. It's totally smoky over near Woodriver and University West AGAIN tonight. And this weekend, we pulled our stroller out of the outdoor storage shed, and it REEKED OF SMOKE from sitting out in the woodsmoke all winter. Unbelievable. I can't stand to have the stroller in the house because the smell was so horrible, let alone put THE BABY in it. Way to go, Fairbanks Assembly, Alaska DEC, and legislators! Let people burn whatever they want, whenever they want to heat their homes. This plan is working great!
133	3	8/2/2011	Woodriver School employee	I am concerned with the air quality at the Woodriver Elementary School. I am concerned about potential health effects of the smoke at the school both on myself and on my four children, who all attend school there. During this past school year (2010-2011), I worked at Woodriver four days a week as a reading instructor for children who needed some extra assistance. I began to have some breathing problems in the fall of 2010. My doctor prescribed an inhaler. I had never had breathing problems or used an inhaler before. I am 32 years old. I continued to have breathing problems and also suffered from low energy, even to the point of physical exhaustion by the end of the day and sometimes

				throughout the day. Again, this was a new experience for me, as I have always been a very active and productive person. I didn't really notice the smoke smell so much myself, as I do not have a very sensitive sense of smell. But some of my co-workers at the school suggested that my breathing and fatigue symptoms could be caused by exposure to smoke. My health problems became acute in early March of 2011. I was at the Woodriver playground, where it smelled like forest fires, and I began to have trouble breathing. I went home early, and used my inhaler, but was still struggling to breathe. This condition persisted for a few days, my heart rate was up and I was not improving. Finally, on March 6, 2011, I took three of my children to the doctor because they were all complaining about sore throats. But when I told the doctor about my own symptoms, they checked my vital signs and became concerned. My heart rate was elevated and my breathing was still impaired. I ended up going from the Tanana Valley Clinic to the hospital via ambulance and was put on oxygen [complaint cut off] [Employee reported problems breathing 3/2/2011.]
134	17	9/27/2011	Woodriver neighbor	Outdoor wood boiler next to Woodriver school on Trinidad is making a lot of smoke, still bad even after they have been working on it. The smoke is going into her house, and across the street into the school yard. The stack seems to have been lowered as well?
135	22	9/30/2011	Woodriver School employee	Subject: 2 children reported sore throats from smoke at recess Message: At Woodriver today, September 30 around 11:50, I was approached by 2 primary students on the playground that were complaining that the smoke smell was stinging their throats. They asked to go in. I escorted them to our school nurse.
136	31	10/11/2011	Woodriver School employee	[Resident] works at Woodriver and in the last few weeks (especially Tuesday, Oct. 11, 2011), the smoke was so bad in the building that her airways began to get really tight and sore; to the point where she almost had to leave work due to the pain. She was not able to concentrate or help her students learn. She feels this is extremely frustrating and unacceptable.
137	61	11/4/2011	Woodriver parent	Bad wood smoke at 3:30 at Woodriver School. Photos are attached to complaint to the state. Wood smoke emanating from outdoor wood boiler on Palo Verde across from school. I smelled of smoke after only 15 minutes in the smog. My kids were clearing their throats for an hour after getting home from school. See

				attached photos of smog and plume. Thanks.
138	66	12/2/2011	Woodriver School employee	There's very strong smoke smell inside the school. The smoke is coming from the yellow house across the street on Palo Verde.
139	69	12/2/2011	Woodriver teacher	Strong smoke in the school and our eyes are burning. The smoke is from Trinidad.
140	67	12/3/2011	Woodriver teacher and neighbor	This morning at 8:30 I could smell a very strong wood smoke smell outside my home and also inside. My house does not have a fireplace. I am experiencing a headache, which I am not prone to, and pain in my sinuses. I have two children who are also being exposed to this nuisance smoke. I have chores that need to be done on the outside of my house, and I am unable to them do due to the strong smoke. This has become a chronic problem in the University West area during the last 3 years. We never had smoke issues when I first purchased my house 7 years ago. This neighborhood was great, and now it is a mess. My family can't enjoy the outside. I am very worried about the long-term effects of this exposure.