

Wind Turbine Noise, A Diary - PART II

May 1 to June 30, 2008

I live at 6249 County Road Y, Brownsville WI 53006-1103 which is about $\frac{3}{4}$ of a mile East of South Byron. Turbine #4 is 1560 feet behind my house. Turbine #3a is about 500 feet mostly east and a little north of turbine #4. Turbine # 6 is about $\frac{3}{4}$ of a mile to the northwest of our home. Across the road mostly south and slightly west is turbine #73 and across the road at 2480 feet, down the hill to the west is turbine #74a which is about $\frac{3}{4}$ of a mile away. We can hear all 5 of these turbines at various times.

May 1– 6 AM. Fairly quiet

May 2– 6 AM. Not much sound. 3 PM. Louder. 7 PM. Wind is from the south or a little south west. This is the loudest sound in 3 or 4 days. We can hear turbines 4, 6 & 73. Number 4 sounds like a jet flying over, number 73 a deep sounding thunk. Sitting at the computer at 11 PM. I can hear turbine sounds. Our oldest son (age 33) said, “When it is calm it sounds like the generator humming. When it is windy I hear air going through the blades”.

May 3– 6 AM. I have not been outside yet this morning, but I can hear turbine #4 or #73 (or both) while in the house. Someone chose 50 db of sound as being a standard or OK or as an acceptable sound level. Whatever the level by whomever it was this is not acceptable. 5:30 PM. Loud jet sound. I can hear turbine #4 from our mailbox which is another 150’ added to 1560’ and the length of our house. Weekends seem to be loud. I can hear low sound of #4 inside the house. 11 PM. Loud jet sound. I can hear #4 and #73.

May 4– 7AM. Turbine is turning slow and quiet. 12:30 PM. 30’ from the house door turbine #4 sounds the F16’s flying over at the NASCAR race at Brooklyn, Michigan. I can also hear the sound in the house as I write this. I can also hear turbine #73, keeping in mind that 73 is 2480’ away from the house. Does that suggest that the 1000’ or 1800’ is not enough set back from the turbines that energy companies and the PSC make little or no noise? It sounds like a political campaign: Tell the lies now and hope the constituents forget or deal with reality later. Tonight turbine #73 and #4 seemed to be fighting with each other. They both are loud. I walked closer to turbine #4 so that I was 1350’ away. That meant I was 2690’ from turbine #73. That 100’ more than half a mile away and it was louder than turbine #4. The wind at ground level was straight from the S-SW. In the inside front of the house I can hear turbine #73. In my family room in the back of the house (56’ long) I hear turbine #6 or #4. It is not the sound of a jet flying over or a whoosh, but more like hearing your heart beat with a stethoscope.

May 5– 5:30 AM. Same sound as last night. 6:30 PM How nice. It is calm and all the turbines are still. The robins and cardinals are happy too☺ I hear them chirping. I had not noticed them when the turbines are loud. I will pay closer attention to listen for that in the future.

May 6– 5:15AM. I can hear turbines 4 and 73 quiet loud. 4:30 PM. Turning quietly. 11:00 PM. I have the kitchen door and combination door open. It is loud with the two turbines sounding like they are fighting to see who can win at being the loudest. 11:30 PM. I am sitting by the computer. I can hear turbine #73 grinding away. Remember that one is

2480' away from the house. Usually I get past the large pine tree 30' from the house before the sound gets my attention. Tonight the turbine sound was loud on the porch just outside the house door.

May 7– 6:15 AM. Again the loud sound right outside the door. For the people that say “Oh, you will get used to it”, you are wrong. The sound is getting more aggravating and annoying. 3:20 PM. I have been neglecting turbine #6 for a while. I won't today. At the moment it is louder than turbine #4. In case you don't care to go way back to the beginning of this log turbine #6 is about $\frac{3}{4}$ of mile away or about 3960' away + or - a few feet. That would give the impression that a 1000' set back approved by the WI PSC is certainly insufficient and inept. 11:15 PM. Turbine #4 is moderately grinding away☹ Our 13 year old son had some late school work to do. He went to bed at 10:00PM. He should be tired. At 10:40 he came down stairs and to our bedroom where I was talking on the phone. He had an over sized piece of paper that he had drawn a picture of a wind turbine. Yes, he should have been sleeping, however he couldn't sleep. He had opened his window because it was nice outside and could hear the turbines #73 and #4 from his open window. Probably turbine #73 because that window faces the south toward turbine #73. He also had a headache. This morning at the table for breakfast he also complained that he still had a little bit of a headache.

May 8– 5:45 AM. Turbines are slow moving and quiet. 10:00 PM. Quiet.

May 9– 6:00 AM. Only a few of the 86 turbines are turning. From somewhere on my property or the center of the road I can see all 86 of turbines in this wind farm. It is very peaceful and quiet. 10:30 PM. Peaceful and quiet☺ It is rare.

May 10– 6:30 AM. Turbine #4 is turning slow. I can hear the turbine while walking in the back of our property. 11:30 PM. I can hear #73.

May 11– 7:30 AM. My wife did not sleep well last night. The turbines are not very load at this time. 12:15 PM. to 5:00 PM. The wind is from the north with the sound of a jet flying over, very annoying. 9:30 PM. I can hear the beating sound of turbine #4 while sitting at the computer. 10:20 PM. The turbine is loud and violent, ripping through the night sky. Late this afternoon I took a pain killer for my head ache. I can't think of when I took a pain killer for a head ache. At least a year as it is extremely rare for me to have a head-ache. I did not sleep well. This has happened several times when hearing the turbines from inside the house.

May 12– 5:30 AM. Moderate sound. 4:45 PM. I can hear turbine #4 over road traffic in front of Our house. 11:00 PM. Jet sound.

May 13– 5:20 AM I am sitting in the bathroom and I can her turbine #73 from in the bathroom. 6:15 AM. I am walking in the yard and can hear a number of the turbines. I walked away from #73 toward #4. When I was about 2737' from turbine #73 it is still very loud, but now is close to the sound of #4. 3:30 PM. Turbine continue to be loud. 4 to 7 PM. I worked in the garden. There were times when it sounded like a Chinook helicopter doing heavy work. Very loud. 9:00 PM. Turbines #4 and #73 are ripping through the sky. At times #73 is loud like blasting in a stone quarry. A loud pounding sound. I hear them while at the computer once in the house.

May 14- 6 AM. Loud. Turbines # 4 and 6 are pounding. 3:30 PM Turning but not loud. About

4:10 PM #4 to a different direction and is quiet. I could hear #6. 10PM. Moderate sound. My stomach has the feeling of being full and slightly sick.

May 15– 7:00 AM #4 turning slow and quietly. Today was a fairly quiet day☺

May 16– 7:00 AM Very slight wind with low noise. 2:00PM slight wind from south west. Grinding Or humming sound. 3:35 PM The wind is picking up and so is the turbine sound. I can hear #'s 4, 6 and 73. I just came in the house and can hear #4 or 6 from inside our family room☺ 4:00 to 7:30 PM I worked in my garden planting vegetable seeds. Turbine #4 is about 1390' north of the garden. It was extremely annoying. I am on edge or angry from hearing for such a long time. I still have the full, sick feeling in my stomach. I did not eat since breakfast and until now coming in the house and was not able to eat the stir fry I had prepared. I only ate about half of it. No, I did not make two times what I can eat. I made less than normal because my stomach was not at 100%. I still hear turbines # 4, 73 & 6. My wife came out to the garden after checking out our flower gardens and said. "I don't say much but tonight I have a headache from hearing the turbine sound and have to go in the house". 11:50 PM Still loud and can hear the turbine sound in the family room. I opened the kitchen door and was "hit" with the jet sound.

May 17– 7:00 AM Wind is from the NW. Turbine #4 quite as loud as last night. 12 PM to 5:30PM I have been working in our garden most of the afternoon. This used to be fun and especially relaxing. It no longer is because turbine #4 is 1390' from the garden and spewing out it's sounds. As the day went on I got very tense and agitated over the constant, annoying sound emitted from the turbine. 7:00 PM. Got home from Fond du Lac. Moderate sound. 11:50 PM I walked out the kitchen door and was hit with turbine sound.

May 18– 7:00 AM Wind is from the NW, very calm on the ground. Moderate turbine sound. 8:20 AM My wife just told me she can hear a turbine from the dining room. This is over the sound of the refrigerator running which is 15' away. 12:00 PM. We can hear with visiting guests turbines 4, 6 & 73 from our driveway. 7:00 PM. Fairly quiet. My stomach feel good enough to eat more than the past four days. 10:30 PM Calm wind low groaning sound from #4.

May 19– 5:15 AM Fairly quiet. 4:10 PM Low sound. 10:00 PM I can hear low humming sound of #4. Today is the quietest day in a while☺

May 20– 6 AM Fairly quiet. 3:45 PM Moderate sound. 5:30 PM I am leaving for a meeting. Our son said, "Dad I have a bad headache". I said, "Is it from a bad day at school"? His reply, "No it is from the wind turbine". When I got home at 10:30 the turbine was humming. My wife said our son had a headache and was down at 9:30 and wanted more Tylenol. My wife had given him Tylenol at 5:30 and told him she could not give him more as she had to wait until 6 to 8 hours had elapsed from the first dose. He immediately said, "I'll be down in two hours". Keep in mind he has learning difficulties in school. That simple math problem for us would normally not get such a quick response from him. He also said he can hear the turbine from his room.

May 21– 6:00 AM Jet sound. 3 to 5 PM I planted peppers in our garden. I can hear #'s 4 and 6. It is a very annoying and irritating sound.

May 22– It is a few days before Memorial Day and all through the land, not a turbine was stirring making wildlife grand. That was written to the sound of “T’was The Night Before Christmas”. It is quite peaceful and is amazing the cardinals, orioles and other birds are excited and singing. I have noticed that when the turbines are not turning or are very quiet I hear song birds. I think it has an effect on them as well. 4:00 PM Turning slow and quiet. 10:15 PM Not turning:☺

May 23– 6:15 AM Turning slow and quiet. Almost no wind. 4:40 PM Slow and quite. 10:00 PM Slow and quiet. 12:00 AM Jet sound.

May 24- Sometime in the night my wife said, “I can’t sleep”. She got up and read a book for 45 minutes until she got tired. She came back to bed and couldn’t sleep. 6:15 AM I can hear #6 from the bed. 2:15 PM Loud and annoying. We are leaving for our cabin.

May 25– 12:30 PM. I am angry. We just got home from our cabin in Waupaca county. The first thing we heard when we opened the car door was turbine #4 ripping the sky apart. It is loud and violent. I am at the almost constant sound of the turbines it being the first sound we heard when we got home. The other “anger” is being tense or on edge while we are outside, or even inside from hearing this aggravating sound on almost a 24 hour basis.

At our cabin I get up early and go out with my camera looking for deer and their signs of movement in our woods as well as other wildlife. It is so peaceful and quiet there. When I got back to the cabin my wife had just gotten up. The first thing she said was, “This is the first night in weeks that I slept all night”. This is on an old wore out bed that we brought from home after years of use. 6:00 PM Turbines 4 and 73 sound like they are fighting to see which is the loudest and strongest and ripping the sky apart. 9:00 PM The loud aggravating sound continues. 11:00 PM When we turned the TV off to go to bed we could hear #4 from our family room.

May 26– 6:30 AM The loud sound continues. 12:00 PM Still loud jet sound. 5 to 8:30 PM I worked in the garden with #4 very loud. As I planted pepper plants I found I got more tense, annoyed and angry as time went on with the loud turbine sound all around me. Yes, from #73 across the road too. I have a slight headache. I rarely get headaches. 10:30 PM Wind direction has changed and sound not quite as loud.

May 27– 5:15 AM Jet sound from #4. 4:45 PM I can hear the turbines while we are in the yard loading our truck. 10:30 PM Fairly calm. Can hear the hum of #4.

May 28– 5:30 AM No breeze. #4 moving quietly. Much of the day the turbines wer not turning even thought there was wind? 10:30 PM Turning slow with quiet hum.

May 29– 6:10 AM # 4 turning slow, however I can hear it in our dining room. Much of the day most of the 86 turbines were not turning. 4:30 PM slow and quiet. 12:00 midnight I just got home form a wind turbine planning meeting. The first sound I heard while still in my garage was the jet sound of turbine #4.

May 30– 6:30 AM I can hear #'s 4 and 6 with the jet sound. 2:50 PM I got our of my car and I can hear the jet sound of #4. 4:25 Jet Sound. 6:15 Annoying jet sound. 10:35 PM Jet sound cutting through the night.

May 31– I woke up with a headache. 5:45 AM I can hear the jet sound of #'s 4 & 6. 9:50 AM Turbines 4 & 6 are loud (jet sound) and annoying. I will try gardening again. 5:10 PM I can hear #4 while sitting at our dining room table. 6:40 PM Jet sound. 10:25 PM Slow humming sound.

June 1– I woke up at 2:00 AM and 4:15 AM last night kind of anxious. 7:15 AM There is absolute silence. Not of of the 86 turbines are turning. WOW! What peace☺ 3:00 PM Some turbines are turning. 8:15 PM Most of the turbine blades are set as not to turn. No wind, calm.

June 2– 5:30 AM Almost all of the turbines are not making electricity. (translation-The turbines are not turning). 4:30 PM Turbines that are turning seem to be going slow. Turbine #4 is giving off only a hum. 8:00 PM The wind is from the east. Quiet. 8:20 PM Wind from SW. Turbines moved to new direction and now the jet sound is heard. 10:20PM Wind N and now quiet

June 3– 6:00 AM Fairly quiet. Our 13 year old son complained of a headache at breakfast. I asked why. He replied, "The wind turbines". 3 PM Turbine #4 not running but can hear #3a in it's place. 10:30 PM Fairly quiet

June 4– 6AM foggy. Can't see the turbines. Quiet. 3:30 PM Still foggy and only a hum from #4. 10:00 PM Quiet from #4.

June 5– I woke up at 4:45 AM to loud thunder. I had been awake for 1 ½ hours when I woke my wife up. She said "The turbines keep me awake yet I can't wake up in the thunder storms". 6:15 AM Slight wind and sound. 4 PM Turning slow and quiet. 8:15 PM I checked the garden and annoying hum from turbine 4. 10:35 PM The wind has picked up and I can hear # 4 and 73. 10:55 PM I can hear # 73 at the computer. The computer is in the house. Turbine 73 is 2480' away from the house.

June 6– 3:40 AM Loud jet sound from our porch from both turbines 4 and 73.

Gone on vacation for 3 days

June 9– 5:00 PM We just returned from the airport. The first sound we heard getting out of the car was turbine #4. How annoying and aggravating. 10:10 PM I hear turbine 4 and 6

June 10– 6:10 AM fairly quiet. 1:40 PM not turning. 2:55 PM Wind sw. Loud jet sound. 5:10 PM The jet sound continues. 7:30 PM Still the jet sound. 10:20 PM Jet sound is still loud.

June 11– 6:10 AM I can hear turbines 4 and 6. 5:10 PM Windy and I can hear #'s 4 and 6 like a jet flying over. 11:10 PM. Still loud and I can hear turbines 4 and 6

June 12– 5 to 7 AM. Turbines 4 and 6 are like a loud jet flying over. Soon we are leaving for the NASCAR races in Brooklyn MI. The cars are loud but much better to hear than the constant sound of an industrial wind turbine.

June 16– 1:20 PM We just returned home from 4 ½ days in MI. The very first sound I heard when opening the truck door was the jet sound of turbines. Specifically turbines 4 and 6. Turbine # 6 is ¾ of a mile from our house. How depressing and sad this has to take

place day after day. 2:45 Still the jet sound 5:30 PM Still the loud jet flying over sound.
9:30 PM Still the annoying jet sound.

- June 17**– We woke at 5:15 AM. The first words my wife said was “I have a bad headache”. When I went out at 5:40 AM I knew why. Turbines 4 and 6 were loud with the jet flying over low sound. The wind was from the NW. 2:10 PM Loud jet sound from #'s 4 and 6. Just a reminder turbine 6 is $\frac{3}{4}$ of a mile away. 9:00 PM I went to the garden and turbine 4 (1350' from the garden) is terribly loud and aggravating. 9:20 PM Neighbor GB called and talked for 30 minutes about his anger, frustration and is just beside himself over turbine # 6 1000' to the east of him and turbine # 7 1000' to the west of him.
- June 18**– 5 AM I woke up this morning feeling great and upbeat. I walked out the door at 6 AM and not one of the 86 turbines was turning. I feel that had something to do with how good I felt when I got up with out knowing the turbines were turning. 4 PM Quietly turning away but audible. 10:30 PM Low volume jet sound
- June 19**– 5:10 AM Much louder sound than yesterday. Wind from straight sw. This really is intruding on our health, well being and quality of life. How sad and what can we do about it? 2:15 PM I can hear turbines 4 & 6. 800 PM Most turbines stopped-no wind.
- June 20**– 5:10 AM Not turning. We were gone for the day to a wedding. We got home at 11:20 PM. nw wind. Turbine 4 whoosh sound.
- June 21**– 6:00 AM Wind from W. I hear turbines 4 & 6 ripping through the sky. It would not be a good time if we had a yard party. Of course you remember turbine # 6 is $\frac{3}{4}$ mile away. I would say this morning's sound is like if you had your house built and were living in side and industrial park with a metal stamping plant on two sides of your home. 11.10 PM I just got home from an all day wedding. The first thing we hear upon arriving home is turbines 4 & 6☹
- June 22**– 6:10 AM Almost no wind. The turbines are turning slow with only a hum for sound. 2:15 PM I am working in the back garden. I can hear turbine 4. 10:20 PM Turbines turning slow & fairly quiet.
- June 23**– 6:10 AM Foggy and no wind. 9:10 AM Light nw wind but can hear turbine 4. 12 noon. Turbine 4 with some noise with the whoosh.

Today at noon we had legislative visitors:
Rep. Phil Montgomery
Rep. Kevin Petersen
Kristin Ruesch and Waylon Hurlburt-Office of Rep. Montgomery
Amber Hodgeson - Office of Sen. Jeff Plale
Kevin Brady - Office of Sen. Roger Breske

They were sincerely interested in the sounds we are experiencing and gave us some ideas on information we could provide and how to do it to help our situation. Also in attendance Larry and Curt other effected neighbors as well as Bob and Ron concerned leaders in safe setbacks.

6:20 PM Most turbines are stopped. 11:30 PM Wind from south not too strong yet I can hear a vibration sound as I work at the computer.

June 24– 5:10 AM The first thing my wife said is “I have a headache”. I feel it is connected to the Sound and or vibration I felt last night before going to bed. Wind from SW. Light wind but I hear easily the turbines. 1:50 PM Wind SW. Turbines fairly loud, low jet sound. 10:55 PM I can hear Turbines 73 & 4. Stronger jet sound than earlier.

June 25– 5:10 AM Turbine #4 turning, but slow and quiet. Wind from S and light. 5:00PM. Turbines 4 & 73 moderate sound. 6:10 PM Turbines 4 & 73 Jet sound. 1:00 AM Turbines 4 & 73 loud jet sound. I can hear #73 at the computer. Wind is from S-SW all day.

June 26– 6:10AM Quiet. 5:10PM Wind S-SW Fairly quiet. 10:20PM I can hear turbines 4, 6 & 73.

June 27– 5:10 AM I can hear turbines 4 & 6. Remember turbine #6 is $\frac{3}{4}$ mile away from my house. 2:30 PM Moderate sound 10:40 PM wind from S and can hear turbines 4 & 73 like a loud jet flying over with a whoosh sound to it. 12:30 AM Turbines 4 & 73 sound like a Chinook helicopter ripping the night sky apart. This is a very loud jet sound. I can hear turbines 4 & 73 at my computer and turbine # 4 in our family room with the TV on. Keep in mind our home is well insulated with a full 4” studs with R 19 fiber glass in the walls, full 1” sheathing board and 1” Styrofoam. How would the sound be in other house with out all the trees surrounding the home like ours has?

June 28– 6:20 AM Slight wind from the W. The sound is not very loud this morning. 8:40 AM Wind W-SW with a loud ripping sound through the air. 6:20 PM Wind SW moderate sound .Even as I stopped the car to pull today’s mail from the mail box at home. I could hear at least one turbine. That is with the car running and the radio on. Does this seem acceptable to the PSC and other regulating bodies. I beg to differ if they do. We have been to Madison all day watching the ultimate Frisbee tournament part of Badger Games. Yes, we heard noise. Jets flying over, the tracks of bulldozers doing UW construction and the Flight For Life helicopter coming and going from UW Hospital. Those sounds are nothing compared to being surrounded by industrial wind turbines tearing the sky apart generally 24 hours a day. As I got out of the car I could hear turbines 4, 6 & 73 making a loud jet sound fighting hard to see which one could be the loudest. I have written before this almost constant sound gives me two forms of anger. Anger that our lives have been intruded upon by these loud, inefficient industrial machines and the anger of tenseness and anxiousness. 9:30 PM The sound is still a fairly loud jet sound. 11:50 PM More quiet.

June 29– 6:50 AM Very loud jet sound from turbines 4, 6 & 73. 12:15 PM Still loud like a jet flying over. Very bad. 6:45 PM Fairly quiet. 11:35 PM Loud jet sound. I hear turbines 4, 6 & 73. The energy company people say with the new technology you only hear sound from one side of the turbines blades or head. I don’t remember which side it is and I can not tell because I hear the turbines from the north, south and northwest al lat the same time so it must be another misrepresentation as is the fabrication that turbines make no or very little noise.

June 30– 5:20 AM This is a quiet morning. 11:10 PM Slow and quiet.