BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

MAREK KRUK Plaintiff, v. NEW TRIER HIGH SCHOOL DISTRICT NO. 203, Defendants.	)	PCB 2020-010

NOTICE OF ELECTRONIC FILING

PLEASE TAKE NOTICE that I have today filed with the Office of the Clerk of the Pollution Control Board the Proposed Settlement and Stipulation Agreement Draft **PROPOSED SETTLEMENT AND STIPULATION AGREEMENT DRAFT**, copies of which are herewith served upon you.

Respectfully Submitted,

NEW TRIER HIGH SCHOOL
DISTRICT NO. 203,

By: /s/ Kenneth M. Florey
One of Its Attorneys

Kenneth M. Florey (kflorey@robbins-schwartz.com)
Katie DiPiero (KDiPiero@robbins-schwartz.com)
ROBBINS, SCHWARTZ, NICHOLAS, LIFTON & TAYLOR, LTD.
55 W Monroe, Suite 800
Chicago, Illinois 60603
312-332-7760 (phone)
312-332-7768 (fax)
Cook County No. 91219

CERTIFICATE OF SERVICE

I, **Kenneth M. Florey**, an attorney, certify that I caused a copy of this Notice of Filing and the documents referenced therein to be served upon the below named individuals by electronic mail, this 8th day of January 2024.

By: /s/ Kenneth M. Florey

Service List

Marek Kruk
124 Woodland Ave
Winnetka, IL 60093
MarekKruk@hotmail.com

Illinois Pollution Control Board
Attn: Don Brown – Clerk of the Board
100 W. Randolph Street, Suite 11-500
Chicago, IL 60601
don.brown@illinois.gov

SETTLEMENT AND STIPULATION AGREEMENT

This Settlement and Stipulation Agreement (the "Agreement") is made and entered into as of the date last written below, by and between the Board of Education of NEW TRIER HIGH SCHOOL DISTRICT NO. 203 (the "District") and MAREK KRUK ("Mr. Kruk"). The District and Mr. Kruk may each be referred to as a "Party" and also may be collectively referred to as the "Parties" in this Agreement.

WHEREAS, on August 23, 2019, Mr. Kruk filed a complaint with the Illinois Pollution Control Board (Docket No. PCB 2020-010, the "Litigation") alleging a violation of Illinois noise limits from the District's dust collector and Mr. Kruk later raised noise concerns with other District equipment (collectively "Equipment") used within its wood shop and from the rooftop equipment on the District's campus located at 385 Winnetka Avenue, Winnetka, Illinois (the "Campus");

WHEREAS, on June 20, 2023, Shiner Acoustics performed noise measurements in compliance with the Illinois Administrative Code at the property line of Mr. Kruk's residence at 124 Woodland Avenue, Winnetka, Illinois, measuring daytime Equipment, nighttime Equipment, and the dust collector (See "Shiner Report" attached as Exhibit A);

WHEREAS, due to the District's demonstrated compliance with Illinois noise regulations reflected in the Shiner Report, the Parties desire to enter into a settlement regarding the claims made by Mr. Kruk in the Litigation; and

WHEREAS, the Parties intend that the purpose of the settlement is to avoid protracted litigation, to execute their stipulation pursuant to this Agreement, and to dismiss the pending Litigation.

NOW, THEREFORE, for and in consideration of the rights and obligations set forth in this Agreement, the Parties agree to the above recitals and as follows:

1. **Reasonableness of Emissions.** The Parties agree that pursuant to the Shiner Report dated October 10, 2023 regarding the measurements taken June 20, 2023, the District's measured Equipment was in compliance with Illinois noise limits. The Parties agree:
    a. that the District's Campus Equipment does not interfere with the health, general welfare, and physical property of the people;
    b. that the operation's of the District's Campus has significant social and economic value;
    c. that the noise emitted by the District's Equipment is suitable to the area in which it is located;
    d. that the technical practicability of further reducing or eliminating the emissions is extremely limited; and
    e. that the District's Equipment is in compliance with the Illinois nighttime and daytime sound limits.

2. **Demonstrated Compliance.** According to the October 10, 2023, Shiner Report, the noise measurements performed on June 20, 2023, reflected that:
    a. for Campus Equipment that operates at night, including cafeteria fans, dock condensing unit, rooftop energy recovery units, and rooftop exhaust fans, "property line sound levels complied with the Illinois nighttime limits" (See Exhibit A); and

b. for all measured Equipment operating at the same time, including the nighttime Equipment as well as rooftop fume hoods and the dust collector, "property line sound levels complied with the Illinois daytime limits (See Exhibit A).

3. **Future Compliance.** The District intends to remain in compliance with all relevant Illinois noise limits. In the event that the District's Equipment on the Campus is found to be in violation of the applicable noise standards based on sound testing compliant with the Illinois Pollution Control Board's testing criteria, the District will take all reasonable steps to correct the violations in a reasonably timely manner. This Agreement shall, in no way, be construed to obligate the District to conduct its own noise testing, and the burden of establishing a noise violation will remain with any potential future claimant.

4. **Dismissal of Litigation.** In consideration of the terms and conditions of this Agreement, and within fourteen (14) days of the execution of this Agreement, the Parties will jointly file the Agreed Dismissal Order, attached as Exhibit B, dismissing all claims in the Litigation with prejudice, with each party to bear their own costs and fees in connection with the Litigation.

5. **Governing Law.** This Agreement will be interpreted in accordance with and governed by the laws of the state of Illinois.

6. **Modification and Waiver.** This Agreement or any of its provisions may only be modified or waived when such modification is in writing and signed by both Parties.

7. **Severability.** In the event that any of the provisions or parts of a provision in the Agreement is held to be invalid, illegal or unenforceable in any respect, this Agreement will be construed as if that invalid, illegal or unenforceable provision had never been included, and the provision will be reformed as valid, legal, and enforceable to the maximum extent permitted by law.

8. **No Third-Party Beneficiary.** This Agreement is not intended to confer any rights upon any third party who is not a Party to this Agreement.

9. **Authority to Execute.** Each individual executing this Agreement represents that such individual has authority to execute this Agreement, and understands and intends that each Party will be legally bound.

10. **Recitals and Captions.** The introductory recitals of this Agreement are an integral part of this Agreement. The captions of the paragraphs of this Agreement are for convenience only, and will not be construed as impacting the terms and provisions of the Agreement.

11. **Future Cooperation.** The Parties agree to fully cooperate and to take all additional actions that may be necessary or appropriate to enforce this Agreement and dismiss the Litigation.

12. **Counterparts.** This Agreement may be executed by the Parties in multiple counterparts by way of original signatures, facsimile signatures, and electronic signatures, and each of which shall be deemed an original, but all of which together shall constitute one and the same Agreement.

13. **Entire Agreement.** The Parties state that this Agreement contains the entire agreement between the Parties.

IN WITNESS WHEREOF, the Agreement has been executed the last day and year written below:

MAREK KRUK

By: _____

Name (Printed): _____

Title: _____

Date: _____

NEW TRIER HIGH SCHOOL DISTRICT NO. 203

By: _____

Name (Printed): _____

Title: _____

Date: _____

EXHIBIT A

Shiner Acoustics, LLC
Acoustical Engineers

Robbins Schwartz
55 W. Monroe Street, Suite 800
Chicago, IL 60603

October 10, 2023

Attn: Mr. Kenneth Florey

Re: New Trier Township High School Noise Measurements

Dear Mr. Florey:

On Thursday, July 20, 2023, we returned to the school to conduct observations and additional acoustical testing. The purpose of this testing was to document property line sound levels due to New Trier mechanical equipment and determine compliance with the Illinois noise code.

Introduction

Previous measurements in 2018, 2019, and 2020 were performed prior to the completion of noise mitigation. Previous measurements in June, 2020 with ventilation silencers and a new acoustical enclosure around the dust collector showed compliance in all nine octave bands of the Illinois code. The intent of the most recent measurements was to perform measurements in compliance with the procedures in the Illinois code and determine compliance with the code.

Measurement Location

The measurements were taken on the public sidewalk at the northeast corner of the property line of 124 Woodland Ave. Fig. 1 shows the site plan with the 124 Woodland Ave. property, measurement location, and New Trier High School. Fig. 2 shows the measurement location in relation to 124 Woodland Ave. and Fig. 3 shows the measurement location in relation to New Trier HS.

The measurement location was the closest point on the property line to the dominant New Trier noise source: the dust collector located on the west side of the building, in the loading dock. The dust collector was located about 140 ft northeast of the measurement point. Other sound sources include rooftop mechanical equipment, such as fans and fume hoods. The measurement location was at least 25 ft from the dust collector and all other noise sources.

None of the noise sources had audible discrete tones, so the microphone was positioned at least 25 feet from any reflective surface. The microphone was positioned at least 5 ft from small objects (trees, posts, bushes, etc.).

The terrain was flat between the 124 Woodland Ave. property, measurement point, and New Trier property. The ground cover was pavement or concrete sidewalks, with a grass strip about 30 ft wide running on the east side of Woodland Ave., parallel to the sidewalk and adjacent to the New Trier structure.

Instrumentation and Setup

We used a Brüel & Kjær 2270 integrating sound level meter and real time analyzer and a Norsonic 1251 calibrator for the measurements. Instrumentation details and laboratory calibration dates are shown in Table 1; all instrumentation was calibrated in a laboratory within

a year of the measurement date, as shown in the calibration certificates in Fig. 4.

The instrumentation complies with the ANSI-ASA and IEC requirements contained in 900.103(b), 900.106, and 910.102.

Table 1. Instrumentation

Instrument	Laboratory Calibration Date
Brüel & Kjær 2270 sound level meter, sn 3005814, with pre-amplifier ZC 0032, sn 20173, microphone 4189, sn 2887723	May 17, 2023
Brüel & Kjær extension cable and windscreen	n/a
Norsonic 1255 calibrator, sn 125526403	March 2, 2023

The calibrator battery level was measured at 3.03 V on July 20, prior to the measurements, and on July 21, after the measurements, as shown in Figs. 5 and 6.

Field calibration was performed at 8:56 p.m., prior to the measurements. The calibration level was 114.0 dB and the sensitivity was 49.21 mV/Pa, as shown in Fig. 7. Field calibration was performed at 11:42 p.m., following the measurements. The deviation from the last calibration (at 8:56 p.m.) was -0.02 dB, the calibration level was 114.0 dB, and the sensitivity was 49.11 mV/Pa, as shown in Fig. 8.

The sound level meter and microphone were both mounted on tripods and separated to minimize any influence on the measurements, as shown in Figs. 2 and 3. The sound level meter and microphone were connected by a cable, which was at least five ft long.

The microphone was positioned at 4'9" above ground level, which is within the requirements of 3'8" and 4'10", as shown in Figs. 9 and 10. The microphone was adjusted to have normal angle of incidence (i.e. it was positioned horizontally toward the school), since it is a free-field microphone.

Weather

Conditions were a temperature 74-75°F, relative humidity 46 to 62%, and calm to light wind speeds, as shown in Table 2.

Table 2. Weather Conditions

Metric	Before Measurements (9:03pm)	After Measurements (11:38pm)	Instrument/Source
Temperature (°F)	75	74	Extech RH300 digital thermometer and psychrometer
Humidity (%)	46	62	Extech RH300 digital thermometer and psychrometer
Barometric pressure (in)	30	30	Wunderground weather station ~3,000 ft from NTHS
Wind speed/gusts (mph)	0.0/6.0 from NE	2.0/7.0 from NE	Dwyer wind meter

Measurements

The measurements were taken on Thursday, June 20, 2023 starting at about 9:00 p.m. and ending at about 11:30 p.m.

Illinois requires a minimum measurement duration of 10 minutes because all equipment is steady-state (i.e. it does not vary with time). The meter was paused for transient noise events, such as passing vehicles, aircraft overflights, trains, and pedestrians, for all measurements. The measurement time was extended for the duration of pauses, if any, to meet the minimum measurement time. All measurements were taken in 1/3 octave bands and converted to 1/1 octave bands. All measurements presented in this report are 10-minute L_{eq}, or $L_{eq,10\text{-}min}$.

All measurements were taken and all calculations were performed in compliance with the Illinois code, specifically sections 900.103(a) and (b), section 910.105, and section 910.106.

There were five measurement scenarios:

A. Background (ambient) sound level;

C*. Nighttime equipment with cafeteria fans operating at 50% speed:
- Dock condensing unit (insignificant noise source, operates intermittently);
- Rooftop energy recovery units (ERUs) (two of four); and
- Rooftop exhaust fans (four total: cafeteria (3), arts kiln exhaust).

C. Nighttime equipment with cafeteria fans operating at 100% speed;

E. All nighttime equipment, including cafeteria fans operating at 100% speed, and all daytime equipment, as follows:
- Dock condensing unit (insignificant noise source, operates intermittently);
- Rooftop energy recovery units (ERUs) (four total);
- Rooftop exhaust fans (11 total: cafeteria (3), science lab (3), arts (2));
- Rooftop fume hoods (three total); and
- Dust collector.

F. Dust collector.

The Illinois code requires determination of source sound levels, i.e. sound levels due to New Trier equipment alone and not including background suburban noise. Background sound levels were measured as scenario A above. The measured raw sound levels for scenarios C*, C, E, and F include both background sound levels and source (New Trier) sound levels. Therefore, the raw sound levels must be corrected for background sound levels, as required in code sections 900.103(b)(2) and 910.106(a)(4). If the raw sound level and background sound level were within three dB, they were indistinguishable and section 910.106(a)(4)(A)(ii) of the code requires setting the source sound level to 0 dB.

The measurements and calculations are documented in Tables 3 through 6, as follows:

- Table 3. Scenario C* with nighttime equipment at reduced speed;
- Table 4. Scenario C with nighttime equipment at rated speed;
- Table 5. Scenario E with all nighttime and daytime equipment at rated speed;
- Table 6. Scenario F with dust collector;

For scenario C*, sound levels with and without the equipment operating were indistinguishable in all nine octave bands. Therefore, the source noise levels were 0 dB and the measurements complied with the Illinois nighttime limits.

For scenario C, sound levels with and without the equipment operating were indistinguishable in eight of nine octave bands, so the source noise levels were 0 dB. In the other band (8 kHz), the source sound level was 19 dB. All measurements complied with the Illinois nighttime limits.

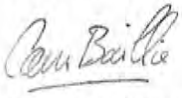
For scenarios E and F, sound levels with and without the equipment operating were indistinguishable in three octave bands (500 Hz, 1 kHz, and 2 kHz), so the source noise levels were 0 dB. In the other six octave bands, there were valid source sound levels. All measurements complied with the Illinois daytime limits.

Conclusion

Measurements of the New Trier Township High School's mechanical equipment sound levels were conducted on July 20, 2023 at the property line of 124 Woodland Ave in compliance with the Illinois noise code. For equipment that operates at night, property line sound levels complied with the Illinois nighttime limits. With all (nighttime and daytime) equipment operating, property line sound levels complied with the Illinois daytime limits.

If you have questions concerning this report, please do not hesitate to contact us.

Respectfully submitted,
Shiner Acoustics, LLC



Cameron J. Baillie, P.Eng.
CJB/mm/20
1180514

Table 3. Measurements – Scenario C* (Nighttime Equipment at 50%)

	Sound Pressure Level ($L_{eq,10\text{-}min}$, dB re 20 µPa)									
	Octave Band Center Frequency (Hz)									Awt
	31.5	63	125	250	500	1k	2k	4k	8k	
Scenario C* raw data	53.6	52.8	47.3	45.4	38.3	37.5	31.2	23.7	18.0	42.2
All equipment off (background sound, scenario A)	54.5	53.3	48.5	44.0	39.3	39.5	32.5	24.0	18.6	43.1
Δ (difference between equipment and background)	-0.9	-0.5	-1.2	1.4	-1.1	-1.9	-1.3	-0.4	-0.6	
Correction	ind	ind	ind	ind	ind	ind	ind	ind	ind	
Source sound level (corrected for background sound)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
Illinois nighttime limit	63.0	61.0	55.0	47.0	40.0	35.0	30.0	25.0	25.0	44.4
Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note a: 'ind' – indeterminate - see text concerning correction for background sound

Table 4. Measurements – Scenario C (Nighttime Equipment at 100%)

	Sound Pressure Level ($L_{eq,10\text{-}min}$, dB re 20 µPa)									
	Octave Band Center Frequency (Hz)									Awt
	31.5	63	125	250	500	1k	2k	4k	8k	
Scenario C raw data	53.2	51.3	48.2	46.6	40.9	37.6	31.6	26.0	22.0	43.4
All equipment off (background sound, scenario A)	54.5	53.3	48.5	44.0	39.3	39.5	32.5	24.0	18.6	43.1
Δ (difference between equipment and background)	-1.3	-2.0	-0.4	2.6	1.6	-1.9	-0.9	2.0	3.4	
Correction	ind	ind	ind	ind	ind	ind	ind	ind	3.0	
Source sound level (corrected for background sound)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	18.2
Illinois nighttime limit	63.0	61.0	55.0	47.0	40.0	35.0	30.0	25.0	25.0	44.4
Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note a: 'ind' – indeterminate - see text concerning correction for background sound

Table 5. Measurements – Scenario E (Nighttime Plus Daytime Equipment)

	Sound Pressure Level ($L_{eq,10\text{-}min}$, dB re 20 µPa)									
	Octave Band Center Frequency (Hz)									Awt
	31.5	63	125	250	500	1k	2k	4k	8k	
Scenario E raw data	59.9	66.7	59.2	49.3	42.1	38.4	33.4	28.8	24.1	47.9
All equipment off (background sound, scenario A)	54.5	53.3	48.5	44.0	39.3	39.5	32.5	24.0	18.6	43.1
Δ (difference between equipment and background)	5.3	13.4	10.7	5.3	2.8	-1.1	0.9	4.8	5.5	
Correction	1.7	0.0	0.0	1.7	ind	ind	ind	1.7	1.3	
Source sound level (corrected for background sound)	58.2	66.7	59.2	47.6	0.0	0.0	0.0	27.1	22.8	46.1
Illinois daytime limit	72.0	71.0	65.0	57.0	51.0	45.0	39.0	34.0	32.0	55.0
Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note a: 'ind' – indeterminate - see text concerning correction for background sound

Table 6. Measurements – Scenario F (Dust Collector)

	Sound Pressure Level ($L_{eq,10\text{-}min}$, dB re 20 µPa)									
	Octave Band Center Frequency (Hz)									Awt
	31.5	63	125	250	500	1k	2k	4k	8k	
Scenario F raw data	59.7	66.6	59.1	47.1	39.2	36.1	32.3	28.8	23.8	46.9
All equipment off (background sound, scenario A)	54.5	53.3	48.5	44.0	39.3	39.5	32.5	24.0	18.6	43.1
Δ (difference between equipment and background)	5.2	13.3	10.6	3.1	-0.2	-3.4	-0.3	4.7	5.2	
Correction	1.7	0.0	0.0	3.0	ind	ind	ind	1.7	1.7	
Source sound level (corrected for background sound)	58.0	66.6	59.1	44.1	0.0	0.0	0.0	27.1	22.1	45.5
Illinois daytime limit	72.0	71.0	65.0	57.0	51.0	45.0	39.0	34.0	32.0	55.0
Exceedance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note a: 'ind' – indeterminate - see text concerning correction for background sound

Fig. 1. Site Plan

Fig. 2. View Toward 124 Woodland Ave.

Fig. 3. View Toward New Trier HS

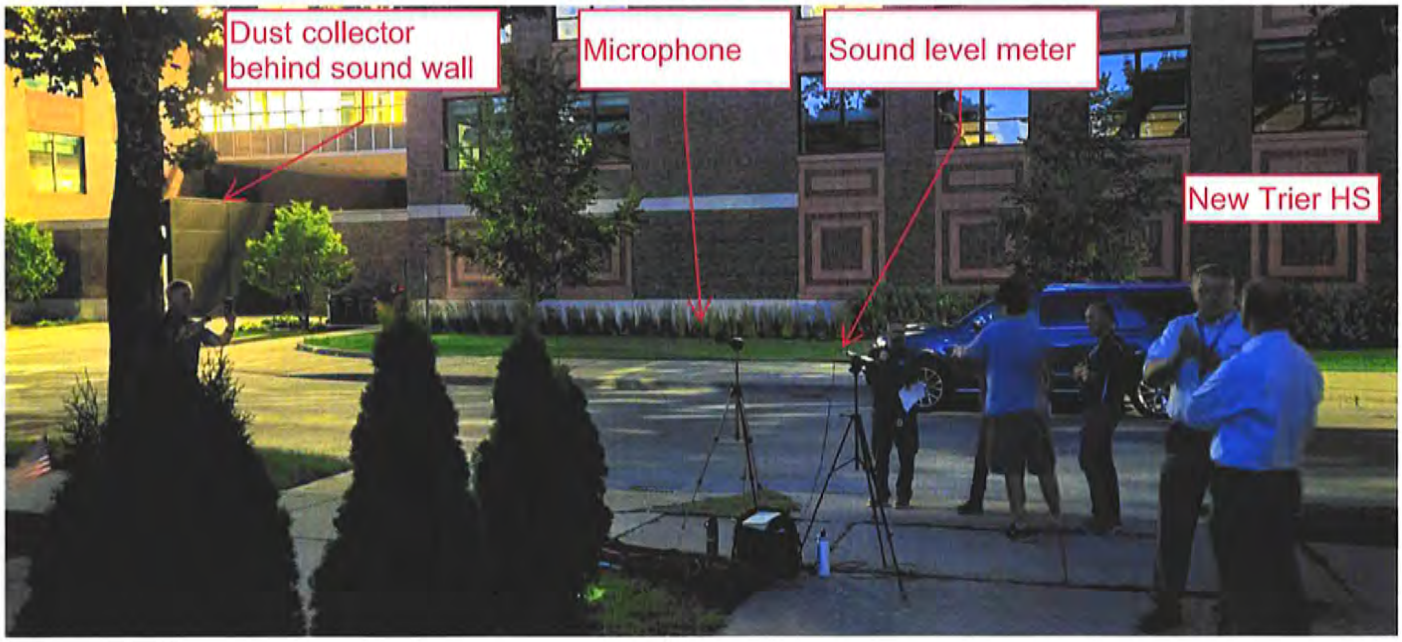


Fig. 4 Calibration Certificates

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

HANDHELD ANALYZER

Manufactured by:	BRUEL & KJAER
Model No:	2270
Serial No:	3005814
Calibration Recall No:	34084

Submitted By:

Customer:	RYAN GARDNER
Company:	SHINER ACOUSTICS LLC
Address:	225 W. WASHINGTON STREET
	CHICAGO IL 60606

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. 2270 BRUE

Upon receipt for Calibration, the instrument was found to be:

Within (X)

tolerance of the indicated specification. See attached Report of Calibration.
The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: A=(L-(U95)), where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at k=2. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Approved by:

James Zhu

Quality Manager

Calibration Date:	17-May-23
Certificate Issue Date:	13-Jun-23 Rev.2
Certificate No:	34084 - 1

QA Doc. #1051 Rev. 3.0 5/29/20

Certificate Page 1 of 1

ISO/IEC 17025

ACCREDITED

Calibration Lab. Cert. # 1533.01

West Caldwell Calibration Laboratories, Inc.
uncompromised calibration
1575 State Route 96, Victor, NY 14564, U.S.A.

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

MICROPHONE

Manufactured by:	BRUEL & KJAER
Model No:	4189
Serial No:	2887723
Calibration Recall No:	34084

Submitted By:

Customer:	RYAN GARDNER
Company:	SHINER ACOUSTICS LLC
Address:	225 W. WASHINGTON STREET
	CHICAGO IL 60606

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. 4189 BRUE

Upon receipt for Calibration, the instrument was found to be:

Within (X)

tolerance of the indicated specification. See attached Report of Calibration.
The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: A=(L-(U95)), where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at k=2. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Approved by:

James Zhu

Quality Manager

Calibration Date:	17-May-23
Certificate Issue Date:	13-Jun-23 Rev.2
Certificate No:	34084 -2

QA Doc. #1051 Rev. 3.0 5/29/20

ISO/IEC 17025

ACCREDITED

Calibration Lab. Cert. # 1533.01

West Caldwell Calibration Laboratories, Inc.
uncompromised calibration
1575 State Route 96, Victor, NY 14564, U.S.A.

Norsonic

Certificate of Calibration

Certificate No.: Cal 022-2023-16914

Test object:	Sound calibrator Class 1
Manufacturer:	Norsonic
Type:	1255
Serial No.:	125526403
Customer:	Scantek stock
Address:	USA
Order No.:	SO2309024

Calibration and verification performed:
The tests are performed according to IEC 60942:2017, Annex B. A detailed description of the calibration procedure is available separately. The equipment was preconditioned for more than 12 hours at the specified calibration temperature and humidity. The calibrator was placed on top of the reference microphone, only held in place by gravity. No adapter ring was needed to obtain half inch configuration. The customer submitted an instruction manual for this test object.

Statement of Conformity: (Decision rule: IEC 60942:2017)
As public evidence was available, from a testing organization responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound calibrator fully conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2017, the sound calibrator tested is considered to conform to all the class 1 requirements of IEC 60942:2017.

Date of calibration:	2023-03-02
Date of issue:	2023-03-02

Environmental conditions	Pressure:	Temperature:	Relative humidity:
Reference conditions:	101,325 kPa	23,0 °C	50 %RH
Measurement conditions:	99.18 ± 0.00 kPa	23.7 ± 1.0 °C	49.1 ± 3.0 %RH

Operator:	Supervisor:
Fredrik Pettersen	Daniela Toledo Helboe

This document is electronically signed, hence there are no handwritten signatures.

Norsonic

NORWEGIAN ACCREDITATION CAL 022

Certificate No.: Cal 022-2023-16914

The stated levels are relative to 20µPa.
The distortion measure is a "total distortion and noise to signal" ratio.
The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA publication EA-4/02.

Instrumentation:		Traceability:	Expire date:
WSM11	GRAS 40AG / 267776	DFM	2023-07-05
MA14	Norsonic 1203 / 138531	Norsonic	2023-12-20
DAC3	National Instruments 4461 / 19D0B2F	Norsonic	2024-06-30
U7	Norsonic Nor484 / 48431304	Norsonic	2023-06-30
BAR3	Vaisala PTU300 / F1230002	Justervesenet	2023-11-09

Results

1 kHz 114 dB	**Exact**	**Measured**	**Uncertainty**
Frequency	1 kHz	1000.00 Hz	1.00 %
Level	114 dB	114.01 dB	0.14 dB
Level stability		0.01 dB	0.02 dB
Distortion		0.03 %	0.30 %

Measurements performed by NCL NORSONIC CALIBRATION LABORATORY

Street address: Gunnersbråtan 2, N-3409 Tranby, Norway
Tel.: +47 32858900 email: ncl@norsonic.com

Fig. 5 Calibrator Battery Level, July 20

Fig. 6 Calibrator Battery Voltage, July 21

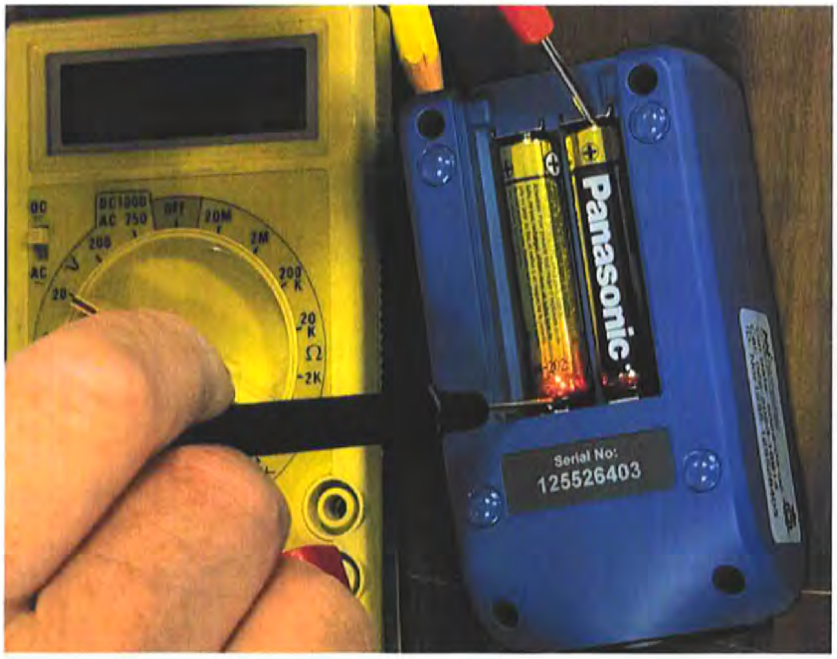


Fig. 7 Field Calibration, July 20, 8:56 p.m.

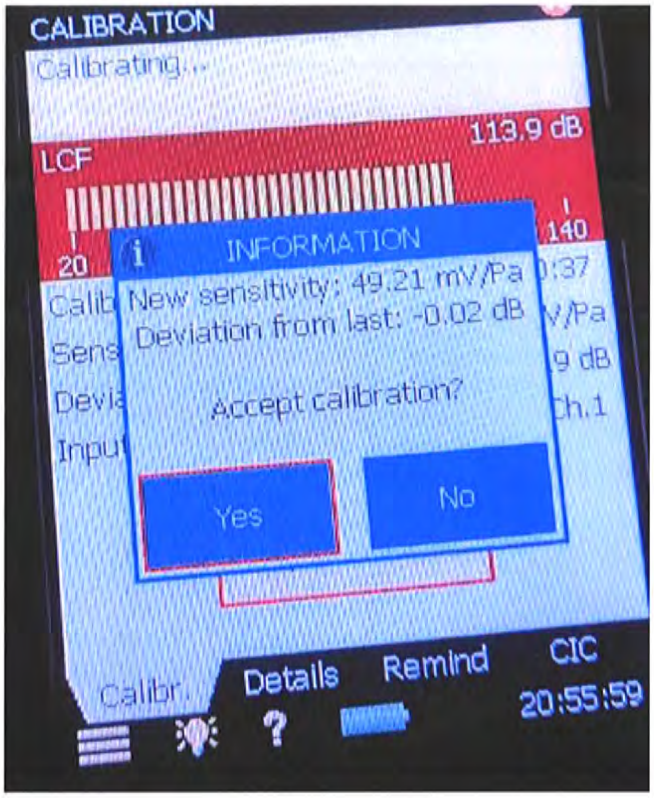


Fig. 8 Field Calibration, July 20, 11:43 p.m.

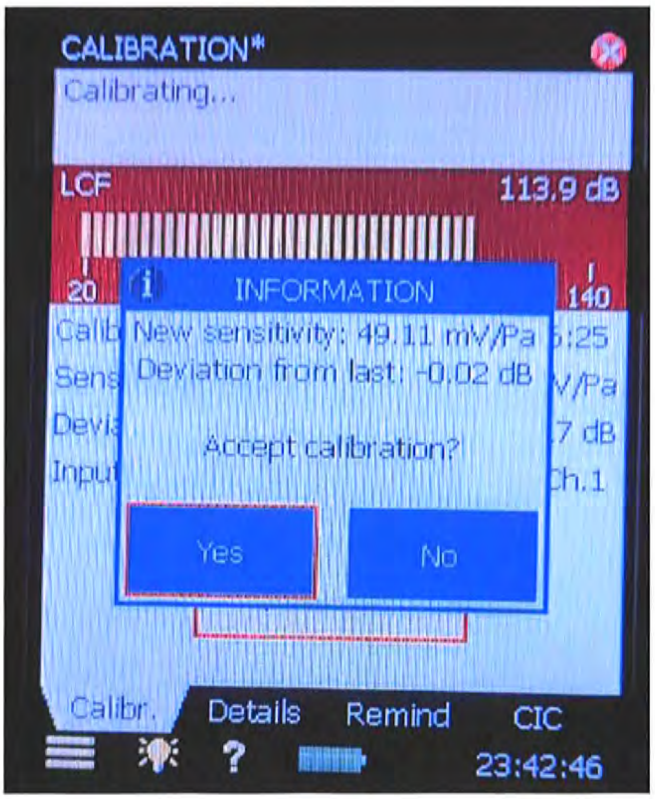


Fig. 9 Microphone Height Above Sidewalk

Fig. 10 Microphone Height Above Sidewalk

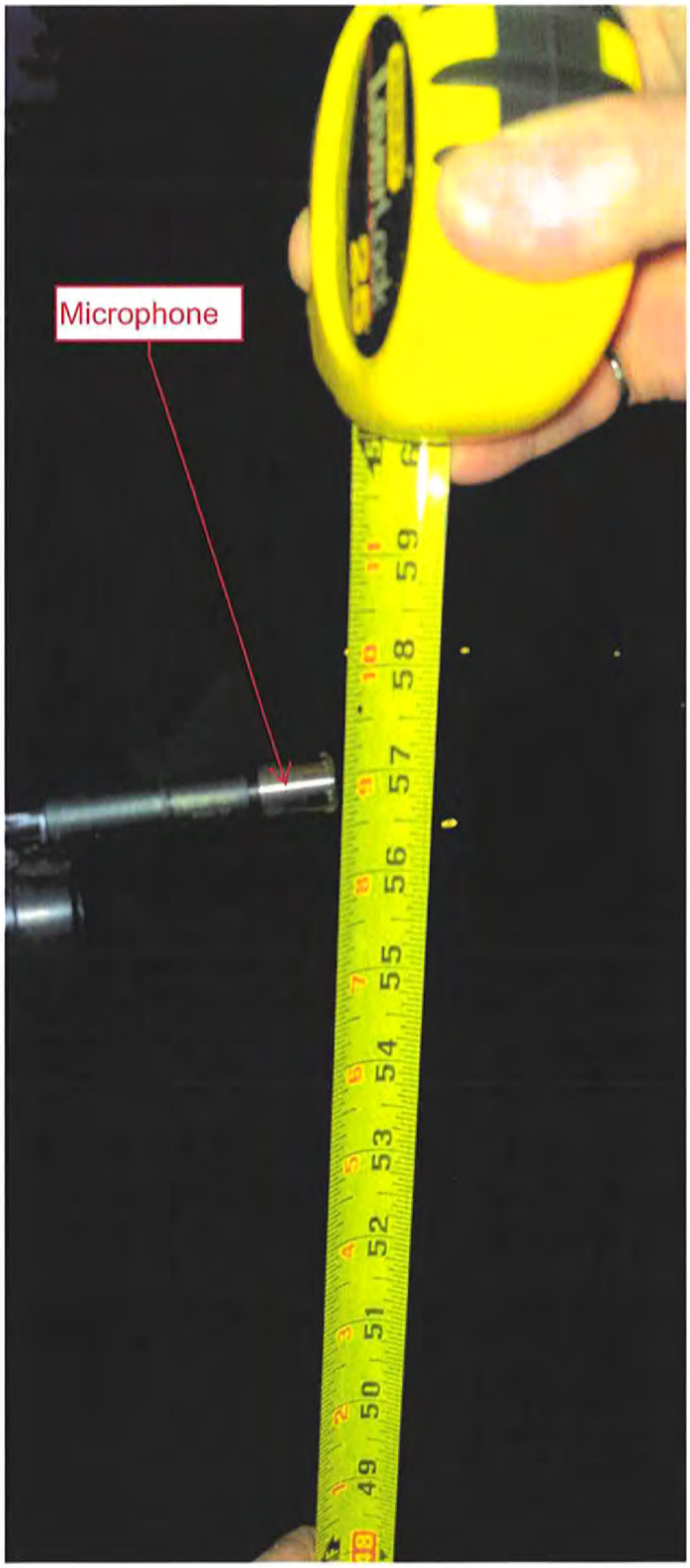


EXHIBIT B

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

MAREK KRUK	)	
	)	
Complainant,	)	
	)	
v.	)	PCB 2020-010
	)	
NEW TRIER HIGH SCHOOL DISTRICT NO. 203,	)	
	)	
Respondent.	)	

AGREED DISMISSAL ORDER

This matter coming on before the Illinois Pollution Control Board by agreement of the Parties, the Court being advised that (a) all claims and matters at issue between the Parties have been compromised and settled, (b) pursuant to the Parties' Settlement and Stipulation Agreement, Marek Kruk's claims against New Trier High School District No. 203, are to be dismissed with prejudice, **IT IS HEREBY ORDERED THAT:**

Marek Kruk's claims against New Trier High School District No. 203, are dismissed with prejudice, each Party to pay its own costs and fees.

ENTERED:

_____
Board Member

Dated: _____

Order Prepared By:
Kenneth M. Florey (kflorey@robbins-schwartz.com)
Katie N. DiPiero (kdipiero@robbins-schwartz.com)
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