

Jeffery Schmitt, Planning Board Chair
Michael Harris, Vice Chairperson
Teresa Bakner, Board Attorney
Dale Warner, Town Planner
Melissa Deffer, Clerk



Elizabeth Novak, Board Member
Joshua Houghton, Board Member
Matthew Hoffman, Board Member
Michael Walpole, Board Member

**Town of Duanesburg
Planning Board Agenda
November 17th, 2022**

AGENDA ITEMS MAY BE ADDED, DELETED, OR ORDER CHANGED WITHOUT NOTICE

The Town of Duanesburg offers Planning Board Meetings via zoom if you are unable to attend the meeting in person:

Town of Duanesburg is inviting you to a scheduled Zoom meeting.

Topic: Town of Duanesburg's Planning Board Zoom Meeting

Time: This is a recurring meeting Meet anytime

Join Zoom Meeting

Meeting ID: 858 7403 2498

Passcode: 848175

Dial in by Phone: 1-646-558-8656

Meeting ID: 858 7403 2498

Passcode: 848175

INTRODUCTION BY CHAIRPERSON JEFFERY SCHMITT:

OPEN FORUM: One presentation per individual **MAXIMUM 4 minutes** on items not on the agenda.

SKETCH PLAN REVIEW:

None

NEW BUSINESS:

None

OLD BUSINESS:

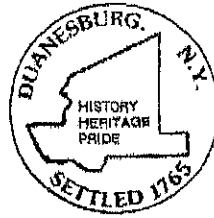
#21-21 Serth, Joseph: SBL# 35.05-1-19.2, (R-1) located at 216-218 Batter St is seeking a Special Use Permit for use for an event venue under Local Law #1 2021 of the Town of Duanesburg Zoning Ordinance.

Comments: _____

#22-11 Primax Properties, LLC c/o Bohler: SBL# 55.00-4-11.6, (C-2) located at Rt 7 are seeking a Special Use Permit under section 12.4(28) of the Town of Duanesburg Zoning Ordinance.

Comments: _____

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Melissa Deffer, Clerk



Elizabeth Novak, Board Member
Joshua Houghton, Board Member
Matthew Hoffman, Board Member
Michael Walpole, Board Member

PUBLIC HEARINGS:

None

Other:

None

Minute Approval:

October 20th, 2022, PLANNING BOARD MEETING MINUTES:

Approved: Yes _____ No: _____

Comments: _____

ADJOURNMENT

ZONING COORDINATION REFERRAL

For Use By SCDEDP

SCHENECTADY COUNTY DEPT. OF ECONOMIC DEVELOPMENT & PLANNING
Recommendations shall be made within 30 days after receipt of a full statement of the proposed action.

Received 10-25-22
Case No. D-8-22
Returned 11-1-22

FROM: Legislative Body
 Zoning Board of Appeals
 Planning Board

Municipality:
Town of Duanesburg

TO: Schenectady County Department of Economic Development and Planning
Schaffer Heights, 107 Nott Terrace, Suite 303
Schenectady, NY 12308

(tel.) 386-2225
(fax) 382-5539

Received
Schenectady County

ACTION: Zoning Code/Law Amendment
 Zoning Map Amendment
 Subdivision Review
 Site Plan Review
 Special Permit
 Use Variance
 Area Variance
 Other (specify)

OCT 25 2022

Economic Development
and Planning Dept.

PUBLIC HEARING OR MEETING DATE: June 16th, 2022

SUBJECT: #21-21 Serth, Joseph: SBL# 35.05-1-19.2, (R-1) located at 8496 Mariaville Rd is seeking a Special Use Permit for use for an event venue under Local Law #1 2021 of the Town of Duanesburg Zoning Ordinance.

REQUIRED ENCLOSURES:

1. Public hearing notice & copy of the application.
2. Map of property affected. (Including Tax Map I.D. number if available)
3. Completed environmental assessment form and all other materials required by the referring body in order to make its determination of significance pursuant to the state environmental quality review act.

1. This zoning case is forwarded to your office for review in compliance with Sections 239-l, 239-m and 239-n of Article 12-B of the General Municipal Law, New York State.
2. This material is sent to you for review and recommendation because the property affected by the proposed action is located within 500 feet of the following:
 - the boundary of any city, village or town;
 - the boundary of any existing or proposed County or State park or other recreation area;
 - the right-of-way of any existing or proposed County or State parkway, thruway, expressway, road or highway;
 - the existing or proposed right-of-way of any stream or drainage channel owned by the County or for which the County has established channel lines;
 - the existing or proposed boundary of any County or State-owned land on which a public building or institution is situated;
 - the boundary of a farm operation located in an agricultural district, as defined by Article 25-AA of the agriculture and markets law. The referral requirement of this subparagraph shall not apply to the granting of area variances.

SUBMITTED BY:

Name: Melissa Deffer Title: Planning/Zoning Clerk
Address: 5853 Western Turnpike Duanesburg, NY 12056
E-mail: mdeffer@duanesburg.net Phone: (518) 895-2040

Date: _____

Signature



PLANNING & ZONING COORDINATION REFERRAL

Case No. D-08-22

Applicant Joseph Serth

Referring Officer Melissa Deffer

Municipality Duanesburg

Considerations: Regarding a residential property with a bed and breakfast, a separate garage/apartment building, and a barn, requesting site plan approval and a special use permit to establish an event venue for up to 150 guests and over 80 parking spaces. Municipal sewer is provided. Private wells provide water supply.

RECOMMENDATION

Receipt of zoning referral is acknowledged on October 25, 2022. Please be advised that the undersigned Commissioner of Economic Development and Planning of the County of Schenectady (having under the Schenectady County Charter the powers and duties of a County Planning Board) has reviewed the proposed action stated on the opposite side of this form and makes the following recommendations:

- *Approve of the proposal.
- Defer to local consideration (No significant county-wide or inter-community impact)

Modify/Conditionally Approve. Conditions:

A permit for a non-community public water supply must be obtained from the County Health Department. The County Department of Engineering and Public Works should review the access plan to Batter Street (CR 94). Improvements may need to be made since the driveway will now be serving a commercial business with parking for over 80 vehicles and not a residence.

Advisory Note:

The applicant should be aware that any on-site caterers will need to be licensed by the Schenectady County Department of Health. If any food preparation is to be conducted on site a food service permit and food service plan review may be required by the County Health Department. The proposed surface (gravel/paved) to be used for the parking should be identified along with the limits of disturbance for the project. The parking should be shown in relation to the existing tree line and any areas of tree clearing identified. A detailed lighting plan should be provided. Each handicapped parking space needs to have an accessible aisle.

Disapprove. Reason:

*A recommendation of approval should not be interpreted that the County has reviewed all local concerns and/or endorses the project; rather the proposed action has met certain County considerations.

Section 239-m of the general Municipal Law requires that within 30 days after final action, the referring body shall file a report of the final action it has taken with the Schenectady County Department of Economic Development and Planning. A referring body which acts contrary to a recommendation of modification or disapproval of a proposed action shall set forth the reasons for the contrary action in such report.

11/1/22
Date

Ray Gillen, Commissioner
Economic Development and Planning

#21-21

*****FOR OFFICE USE ONLY*****

CHECKLIST OF REQUIRED INFORMATION:

- Title of drawing.
- Tax Map ID #
- Zoning district
- Current Original Deed
- NYS Survey (L.S. & P.E.)
- North Arrow, scale (1"=100'),
- Boundaries of the property plotted and labeled to scale.
- School District/Fire District
- Green area/ landscaping
- Existing watercourses, wetlands, etc.
- Contour Lines (increments of 10ft.)
- Easements & Right of ways
- Abutting Properties Wells/ Sewer Systems within 100ft.
- Well/ Water system

- Septic system: Soil investigation completed?
- Sewer System: Which district?
- Basic SWPPP (1≥)
- Full Storm Water Control Plan (More than an acre)
- Other (Building Set Backs)
- Storm Water Control Plan
- Short or long EAF www.dec.ny.gov/eafmapper/
- Street pattern: Traffic study needed?
- All property Mergers **REQUIRE** both owners Signatures on the Application

Additional Requirements for Special Use Application:

- New or existing building
- Business Plan, Hours of operation, & number of employees, floor plan, uses, lighting plan/ landscaping/signage Parking, Handicap Spaces, & lighting plan

Date _____

Application type: Major Subdv Minor Subdv Special Use Permit Site/ Sketch Plan Review LotLine Adjust
Proposal: Event Venue

_____ Section _____ of _____ Ordinance. Local Law #1 of 2021

Present Owner: Joseph + Christopher Smith (AS APPEARS ON DEED!!)

Address: 8496 McDeville Rd Zip code: 12155

Phone # (required) 518 852 5378

Applicants Name (if different): _____ Phone# (required) _____

Location of Property (if different from owners) 216 Batten St.

Tax Map # 35.05-1-19.2 Zoning District R-1

Signature of Owner (S) if different from Applicant (AS APPEARS ON DEED!)

LANDS CONVEYED TO (REQUIRED FOR MERGERS) _____

Signature of receiving Property Owner _____ (AS APPEARS ON DEED!!)

I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT. The Applicant hereby certifies that he/she is the owner of the above property or has duly authorized, in writing, by the owner of record to make this application. Further, by signing this application, the owner gives permission for a representative (s) of the Town of Duanesburg to walk the property for the purposes of conducting a site review.

Signature of Owner(S) and/or Applicant(S) _____ Date _____

ALL APPLICATION FEES ARE NON-REFUNDABLE!

.....

(For office use only)

Application fee paid: _____ Check# _____ Reviewed By _____ Date _____

Approved Disapproved Refer to Code Enforcement Section _____ of _____ Ordinance

Planning Commission Comments: _____

Planning Chairperson

Date

Code Enforcement

Date

Agricultural Data Statement

Date: 8/23/21

Instructions: Per § 305-a of the New York State Agriculture and Markets Law, any application for a special use permit, site plan approval, use variance or a subdivision approval requiring municipal review and approval would occur on property within a New York State Certified Agricultural District containing a farm operation or property with boundaries within 500 feet of a farm operation located in an Agricultural District shall include an Agricultural Data Statement.

Applicant	Owner if Different from Applicant
Name: <u>Joseph Serth</u> Address: <u>8496 Marianne Rd</u> <u>Pattersonville NY 12137</u>	Name: _____ _____ _____

1. Type of Application: Special Use Permit Site Plan Approval; Use Variance; Area Variance; Subdivision Approval (circle one or more)
2. Description of proposed project:
Commercial event venue
3. Location of project; Address: 216 Butler St. Pattersonville NY 12137
Tax Map Number (TMP) 35.03-1-19.2
4. Is this parcel within an Agricultural District? YES NO (Check with your local assessor if you do not know.)
5. If YES, Agricultural District Number _____
6. Is this parcel actively farmed? YES NO
7. List all farm operations within 500 feet of your parcel. Attach additional sheet if necessary.

NAME: _____ ADDRESS: _____ Is this parcel actively farmed? YES NO	NAME: _____ ADDRESS: _____ Is this parcel actively farmed? YES NO
NAME: _____ ADDRESS: _____ Is this parcel actively farmed? YES NO	NAME: _____ ADDRESS: _____ Is this parcel actively farmed? YES NO

[Signature] Signature of Applicant

Signature of Owner (if other than applicant)

Reviewed by: [Signature] Dale R. Warner

Date: 11/3/21

Revised 4/4/17

FARM NOTE

Prospective residents should be aware that farm operations may generate dust, odor, smoke, noise, vibration and other conditions that may be objectionable to nearby properties. Local governments shall not unreasonably restrict or regulate farm operations within State Certified Agricultural Districts unless it can be shown that the public health or safety is threatened.

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.

NOTICE OF DETERMINATION
of the Town of Duaneburg

Date of Determination 11/12/21

Application of Joseph + Christine Smith under section
_____ of the (Village of Delanson/ Town of Duaneburg)
Zoning Ordinance. Local Law # 1 2021

Applicant Joseph + Christine Smith
Address 8496 Mariaville Rd

Phone 518 852-5378 Zoning District R-1 SBL# 35.05.1-19.2

Description of
Project: Commercial Event Venue using barn + parcel
for wedding + parties etc.

Determination:
Special use permit

Reason supporting determination:
Local Law # 1 2021 Commercial Event Venues

Action: Refer to Planning Board for the purpose of Special Use Permit

Code Enforcement Officer: Dale Nelson

TOWN OF DUANESBURG LOCAL LAW NO. 1 OF 2021

**A LOCAL LAW AMENDING THE TOWN OF DUANESBURG ZONING ORDINANCE
WITH RESPECT TO COMMERCIAL EVENT VENUES**

BE IT ENACTED by the Town Board of the Town of Duaneburg in the County of Schenectady as follows:

Section 1. Title of the Local Law.

This local law shall be entitled "A Local Law Amending the Town of Duaneburg Zoning Ordinance with Respect to Commercial Event Venues."

Section 2. Authorization.

This local law is enacted pursuant to the Municipal Home Rule Law and Article 16 of the Town Law of the State of New York.

Section 3. Purpose.

The purpose of this local law is to allow within the Town of Duaneburg in all but the L-2 District, the conversion and use of existing structures for temporary events such as weddings, anniversaries, graduation parties, and other similar occasions on a commercial basis. The Town Zoning Ordinance currently addresses mass gatherings but does not address smaller commercial events that may be held in existing structures and/or tents, including Bed and Breakfasts, Agricultural Barns or other accessory structures. Use of Fire Halls, Churches and other buildings already rated for public assemblies for such events is not in any way restricted by the adoption of these regulations which pertain to commercial temporary events. Use of homes and properties on a non-commercial basis for such events is also exempted from the requirements of this local law. For purposes of commercial event venues in the L-1 District, the intent is to allow such events in conjunction with approved Bed and Breakfast uses only.

Where an existing structure is going to be used for commercial events the goal is to balance the impacts of such events on the surrounding neighbors and to ensure that the events are carefully regulated to address impacts related to noise, property maintenance, traffic, public health, welfare and safety.

Section 4. Zoning Ordinance Amendment

The Zoning Ordinance is amended to reflect and include the following:

§ 1-1 Applicability.

- A. This section shall apply to the conversion of existing structures, including temporary tents, for the holding of temporary events such as weddings, anniversaries, graduation parties and the like in all zoning districts in the Town, with the exception of the L-2 District.
- B. With regard to the L-1 District, such events shall only be permitted in conjunction with approved Bend and Breakfast uses only.
- C. This section shall not apply to a facility that has been granted a special use permit to hold mass gatherings as defined under the Town Zoning Code.
- D. This section shall not prohibit the Planning Board from approving a special use permit for a project in any district, except the L-2 District, where the only access to the property is through the L-1 or L-2 District.

§ 1-2 Definitions.

- A. For purposes of this local law, the term “commercial” shall mean any use related to doing business or for business purposes.

§ 1-3 Standards.

- A. The Planning Board may grant a special use permit to allow the conversion of existing structures, including temporary tents, for the holding of temporary events such as weddings, anniversaries, graduation parties and the like, pursuant to 1-1,, provided that the Planning Board finds that all of the following conditions and standards have been met for the conversion of each existing structure for such purposes and that the structure/event venue:
 - 1. Will comply with applicable legal requirements, will be consistent with the purposes of the district in which it is located and has been given due consideration by the Planning Board.
 - 2. Will not result in off-premises noise, dust, odors, solid waste nor lighting.
 - 3. Will not cause significant traffic congestion, will provide adequate parking, will not impair pedestrian safety, will not adversely impact emergency services accessibility or overload existing roads, considering their current width, surfacing, condition and any proposed improvements made to them by the applicant.
 - 4. Will be suitable for the proposed action considering the property’s size, location, topography, vegetation, soils, natural habitat, hydrology, and its ability to be buffered or screened from neighboring properties and public roads.

§ 1-4 Decision.

The Planning Board may approve the application, approve it subject to modifications, or disapprove the application.

- A. Decision. Any decision by the Planning Board to grant or deny a special use permit shall include either a negative declaration of environmental significance or a written SEQRA findings statement consistent with the requirements of SEQRA. The decision shall contain a statement of its findings regarding the appropriateness of the use so authorized and the conditions required in the special use permit, or its reasons for denial. In granting any approval, the Planning Board shall impose any conditions that may be necessary to ensure that the proposed use will be compatible with its surroundings.
- B. Quantity of Events. The number of events that can be held at a location may be limited at the discretion of the Planning Board depending upon the facts and circumstances of the application.
- C. The Planning Board shall attach to the special use permit such conditions and restrictions as are deemed necessary. Upon its granting of said special use permit, any such conditions must be met by the Applicant prior to the issuance of any permits by the Building Inspector and throughout the operation of the event venue. The special use permit for events may be reviewed at the discretion of the Planning Board on a yearly basis.

§ 2 Event Venue.

§ 2-1 Use Standards.

An event venue must demonstrate compliance with the following standards in addition to the special use standards in § 1-3.

- A. The event venue shall be located on a site with a minimum of five acres, unless the venue includes a permitted bed and breakfast or hotel/motel type facility.
- B. The site of the event venue shall have at least two means of egress, at least one of which is adequate for emergency vehicles, as determined by the Planning Board in consultation with emergency responders based on its width, length, surface and ability to support the gross vehicle axle weight of emergency vehicles.
- C. The maximum number of attendees at the event venue shall be 200.
- D. The applicant shall demonstrate either that all required parking can be accommodated on-site or that sufficient off-site parking areas are under the control of the event operator and shuttle vehicles shall be used by the operator of the event venue for such off-site parking areas. All off-site parking areas shall be reviewed by the Planning Board and are subject to the standards herein.
- E. The applicant shall also submit a traffic study showing that the roadways around, entering and leaving the event venue have sufficient capacity and are safe to accommodate the event venue including event attendees and support employee vehicles as well as emergency vehicles.
- F. All events shall be provided with adequate potable water and sanitary facilities as required by the Planning Board, Building Inspector and/or the NYS Department of Health.
- G. The Planning Board shall require appropriate buffers between the event venue and off-site parking, if any, and adjoining properties, given the size of parcel, the natural topography and vegetative cover.

- H. The event will not make, continue, cause, or permit, unreasonably intrusive noise. Standards to be considered in determining whether an unreasonably intrusive noise exists include, but are not limited to, the following:
 - a. The volume of the noise.
 - b. The frequency of the noise.
 - c. The time of day of the noise.
 - d. The proximity to any residential, educational, medical, or religious facility.
 - e. The duration of the noise.
- I. Maximum Sound Levels.
 - a. Events may only take place between the hours of 9:00 AM to 10:00 PM, except where otherwise specified by the Planning Board.
 - b. At no time may the maximum sound level exceed 70 decibels measured at any of the property boundaries or at the closest residential receptor, as determined by the Planning Board.
 - c. The measurement of any sound or noise shall be made with a sound-level meter using the A-weighted scale and slow response, except for sounds or noises which occur in single or multiple bursts with a duration of less than one second, for which fast response shall be used.
- J. Seating for events may occur outdoors, under a fabric structure temporarily constructed on the property, or in an event structure meeting the standards in § 2-3 below.
- K. Locations for proposed temporary fabric structures must be included on the site plan. All buildings and structures, including fabric structures, to be used as part of the event venue shall, where required, obtain a certificate of occupancy for their intended uses, including an event structure meeting the standards in § 2-3 below.
- L. The Planning Board shall determine the permitted hours of operation of an event venue. Events shall commence no earlier than 9:00 AM and shall terminate no later than 10:00 PM. The Planning Board shall also have the power to modify the commencement and termination times for a particular site based upon the specifics of the application before it as long as the modifications do not impact the health, safety and welfare of the neighborhood and the surrounding community. For purposes of this section, "termination" shall mean the termination of food, drinks, service and entertainment, with the understanding that attendees and servers will need a reasonable amount of time after termination to exit the premises. A generic event management plan shall be prepared and submitted to the Planning Board for review and approval as part of the special use permit review. The plan shall include provisions for traffic and parking management, hours of operation, noise abatement, sanitary facilities and maximum number of guests. The plan shall also include a list of contacts for emergency situations to be used by the guests and shall be provided at each event along with the legal name and address of an emergency contact person at the site shall also be provided.
- M. The Applicant shall provide to the Town a certificate of insurance evidencing coverage in a commercially reasonable amount for the event venue naming the Town as additional insured. Such certificate of insurance shall be provided to the Town Clerk on an annual basis by January 1 of each year or the special use permit will be revoked. An annual

certification of compliance with the terms and conditions of the special use permit shall be provided to the Town by the Applicant.

§ 2-3. Event Structures.

Event venues may utilize new structures or former residential, agricultural or accessory structures as a place of public assembly, such as a barn, house or garage, provided the following criteria are satisfied:

- A. The use of any structure for events shall be permitted only after the issuance of a building permit and a certificate of occupancy for public assembly by the Town's Building Inspector.
- B. The applicant shall provide the Building Inspector with a plan prepared by a registered licensed design professional to improve the structure to be used for events to enable the structure to obtain a certificate of occupancy for an assembly area, where none exists. A copy of the plan shall also be submitted to the Planning Board as part of special use permit and site plan review.
- C. The occupancy of the event structure shall not exceed occupancy load and exiting provisions of the New York State Uniform Code and those occupancy load limits shall be posted at the premises by the Town's Building Inspector.

§ 2-4. Special Use Permit.

- A. The special use permit and site plan for an event venue must include:
 1. The maximum number of attendees permitted during any event, but in no event greater than 200 attendees.
 2. The hours of operation of the special event venue and whether amplified sound is permitted either outside or inside or both.
 3. Any other conditions on operation, design and layout reasonably necessary to ensure compatibility with surrounding uses and to protect the natural, historic and scenic resources of the Town.
 4. Items in Subsection A(1) through (3) above shall be determined by the Planning Board based on the size of the parcel, location, topography, parking, proximity of neighbors, emergency access and the ability of existing and proposed buffers to provide sound attenuation and visual screening.
 5. This permit is allowed in all districts except the L-2. In the L-I District such events are allowed by special permit only at a Bed and Breakfast that has received all necessary approvals from the Town to operate in the Town.
 6. Trash and other debris shall be stored in containers with lids. Any blowing trash shall not accumulate on any neighboring properties and all trash generated from the event must be removed no later than noon on the day following the event.
- B. Once a special use permit has been granted to permit an event venue at a particular site, individual events may be held at the site without further review by the Planning Board as

long as such events are compliant with § 2-1 and with all the conditions of the special use permit and other approvals issued by the Town.

Section 5. Supersession.

Pursuant to the powers granted by the Municipal Home Rule, this Local Law supersedes all provisions of the Town of Duanesburg Town Code, in so far as such statutes are inconsistent with this Local Law and any other laws or regulations of the Town of Duanesburg are superseded to the extent necessary to give this Local Law full force and effect. All other provisions shall remain the same.

Section 6. Severability.

Each separate provision of this Local Law shall be deemed independent of all other provisions therein, and if any provisions shall be deemed or declared invalid, all other provisions hereof shall remain valid and enforceable.

Section 7. Effective Date.

This Local Law shall take effect immediately upon filing in the office of the New York Secretary of State in accordance with Municipal Home Rule Law § 27.

State Environmental Quality Review Act (SEQRA)
A Local Law Amending the Town of Duanesburg Zoning Ordinance With Respect to
Commercial Event Venues

Support for Determination of Significance
Town of Duanesburg, County of Schenectady, New York
August 12, 2021

The proposed action consists of passing a local law to allow, within the Town of Duanesburg, in all but the L-2 District, the conversion and use of existing structures for temporary events such as weddings, anniversaries, graduation parties, and other similar occasions on a commercial basis. The Town Zoning Ordinance currently addresses mass gatherings but does not address smaller commercial events that may be held in structures and/or tents, including Bed and Breakfasts, Agricultural Barns, or other accessory structures. Use of Fire Halls, Churches and other buildings already rated for public assemblies for such events is not in any way restricted by the adoption of these regulations which pertain to commercial temporary events. Use of homes and properties on a non-commercial basis for such events is also exempted from the requirements of this local law. For purposes of commercial event venues in the L-1 District, the intent is to allow such events in conjunction with approved Bed and Breakfast uses only. Where a structure is going to be used for commercial events the goal is to balance the impacts of such events on the surrounding neighbors and to ensure that the events are carefully regulated to address impacts related to noise, property maintenance, traffic, public health, welfare, and safety.

The Town of Duanesburg has classified the action as Type I action.

The Town has given due consideration as to whether the local law would potentially have a significant adverse impact on the environment. Amending the zoning ordinance will not have a significant adverse impact on the environment and will not exceed any of the criteria for determining significance found in 6 NYCRR § 617.7(c), described below:

- i. a substantial adverse change in existing air quality, ground or surface water quality or quantity, traffic or noise levels; a substantial increase in solid waste production; a substantial increase in potential for erosion, flooding, leaching or drainage problems;
- ii. the removal or destruction of large quantities of vegetation or fauna; substantial interference with the movement of any resident or migratory fish or wildlife species; impacts on a significant habitat area; substantial adverse impacts on a threatened or endangered species of animal or plant, or the habitat of such a species; or other significant adverse impacts to natural resources;
- iii. the impairment of the environmental characteristics of a Critical Environmental Area as designated pursuant to subdivision 617.14(g) of this Part;
- iv. the creation of a material conflict with a community's current plans or goals as officially approved or adopted;

- v. the impairment of the character or quality of important historical, archeological, architectural, or aesthetic resources or of existing community or neighborhood character;
- vi. a major change in the use of either the quantity or type of energy;
- vii. the creation of a hazard to human health;
- viii. a substantial change in the use, or intensity of use, of land including agricultural, open space or recreational resources, or in its capacity to support existing uses;
- ix. the encouraging or attracting of a large number of people to a place or places for more than a few days, compared to the number of people who would come to such place absent the action;
- x. the creation of a material demand for other actions that would result in one of the above consequences;
- xi. changes in two or more elements of the environment, no one of which has a significant impact on the environment, but when considered together result in a substantial adverse impact on the environment; or
- xii. two or more related actions undertaken, funded or approved by an agency, none of which has or would have a significant impact on the environment, but when considered cumulatively would meet one or more of the criteria in this subdivision.

The adoption of the proposed local law is a legislative action that will not result in disturbance to water bodies, and any threatened, endangered, or rare species of plants and animals or the habitat of such species. The proposed local law will not create an increase in solid waste production, traffic, or the potential for erosion, flooding, leaching or drainage problems. As a result of the lack of physical site disturbance, the adoption of the local law will not impact important historical, archeological, architectural, or aesthetic resources, nor will the local law impair the community's current plans and goals. The proposed local law will not create a hazard to human health or a change in energy use.

While the local law may attract a number of people to the Town of Duanesburg, the local law sets forth standards to be used to balance the impacts of the proposed commercial event facility on the surrounding neighbors and to ensure that the events are carefully regulated by means of a special use permit issued by the Town Planning Board to address impacts related to noise, property maintenance, traffic, public health, welfare, and safety.

It is important to note that environmental impacts of individual projects allowed pursuant to the amended zoning ordinance will be considered and evaluated during the special use permit proceedings pursuant to local law and the statewide regulatory framework for the implementation of SEQRA.

Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: <i>Event venue site</i>		
Project Location (describe, and attach a general location map): <i>216 Batter St, Pattersonville, NY 12137</i>		
Brief Description of Proposed Action (include purpose or need): <i>use 150 year old barn for commercial events</i>		
Name of Applicant/Sponsor: <i>Joseph Smith</i>		Telephone: <i>518-852-5378</i>
		E-Mail: <i>cmvsk@aol.com</i>
Address: <i>8496 marionville Rd</i>		
City/PO: <i>Pattersonville</i>	State: <i>NY</i>	Zip Code: <i>12137</i>
Project Contact (if not same as sponsor; give name and title/role): <i>same</i>		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): <i>same</i>		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:

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B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PLANNING BOARD	
c. City, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
e. County agencies * <input type="checkbox"/> Yes <input type="checkbox"/> No	* No Permits or APPROVAL NEEDED BUT Town Meeting Submit it to Schoharie County Planning	
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? Yes No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? Yes No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? Yes No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) Yes No

If Yes, identify the plan(s):
 NYS Heritage Areas: Mohawk Valley Heritage Corridor

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? Yes No

If Yes, identify the plan(s):



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a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. Yes No
If Yes, what is the zoning classification(s) including any applicable overlay district?
R1 Residential

b. Is the use permitted or allowed by a special or conditional use permit? Yes No

c. Is a zoning change requested as part of the proposed action? Yes No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Schalsmont

b. What police or other public protection forces serve the project site?
NYS Police + Schuylkill CO Sheriff's

c. Which fire protection and emergency medical services serve the project site?
Martinsville fire dept + Duquesburg Ambulance

d. What parks serve the project site?
None

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)?
Commercial event venue site

b. a. Total acreage of the site of the proposed action? 6.7 acres
b. Total acreage to be physically disturbed? 0 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 6.7 acres

c. Is the proposed action an expansion of an existing project or use? Yes No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? Yes No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) _____
ii. Is a cluster/conservation layout proposed? Yes No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? Yes No
i. If No, anticipated period of construction: 0 months
ii. If Yes:
• Total number of phases anticipated _____
• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
• Anticipated completion date of final phase _____ month _____ year
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____



If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? Yes No

If Yes,

- i. Total number of structures _____
- ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; and _____ length
- iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? Yes No

If Yes,

- i. Purpose of the impoundment: _____
- ii. If a water impoundment, the principal source of the water: Ground water Surface water streams Other specify: _____
- iii. If other than water, identify the type of impounded/contained liquids and their source. _____

- iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres
- v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length
- vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? Yes No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

- i. What is the purpose of the excavation or dredging? _____
- ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
 - Volume (specify tons or cubic yards): _____
 - Over what duration of time? _____
- iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____

iv. Will there be onsite dewatering or processing of excavated materials? Yes No
If yes, describe. _____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? Yes No

ix. Summarize site reclamation goals and plan: _____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? Yes No

If Yes:

- i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____



ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will the proposed action cause or result in disturbance to bottom sediments? Yes No
If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? Yes No
If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? Yes No

If Yes:

i. Total anticipated water usage/demand per day: < 100 gallons/day Average

ii. Will the proposed action obtain water from an existing public water supply? Yes No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No
- Do existing lines serve the project site? Yes No

iii. Will line extension within an existing district be necessary to supply the project? Yes No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? Yes No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? Yes No

If Yes:

i. Total anticipated liquid waste generation per day: < 100 gallons/day Average

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): SANITARY

iii. Will the proposed action use any existing public wastewater treatment facilities? Yes No

If Yes:

- Name of wastewater treatment plant to be used: SD#2 Manville
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No



• Will a line extension within an existing district be necessary to serve the project? Yes No

If Yes:

• Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? Yes No

If Yes:

• Applicant/sponsor for new district: _____

• Date application submitted or anticipated: _____

• What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? Yes No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

• If to surface waters, identify receiving water bodies or wetlands: _____

• Will stormwater runoff flow to adjacent properties? Yes No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? Yes No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? Yes No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? Yes No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes No

ii. In addition to emissions as calculated in the application, the project will generate:

• _____ Tons/year (short tons) of Carbon Dioxide (CO₂)

• _____ Tons/year (short tons) of Nitrous Oxide (N₂O)

• _____ Tons/year (short tons) of Perfluorocarbons (PFCs)

• _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)

• _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)

• _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)



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landfills, composting facilities)?

If Yes:

- i. Estimate methane generation in tons/year (metric): _____
- ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? Yes No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? Yes No

If Yes:

- i. When is the peak traffic expected (Check all that apply): Morning Evening Weekend
 Randomly between hours of _____ to _____.
- ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? Yes No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____

vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site? Yes No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? Yes No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? Yes No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? Yes No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____

iii. Will the proposed action require a new, or an upgrade, to an existing substation? Yes No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: _____
- Saturday: N/A
- Sunday: N/A
- Holidays: _____

ii. During Operations:

- Monday - Friday: 9 AM - 10 PM
- Saturday: 9 AM - 10 PM
- Sunday: 9 AM - 10 PM
- Holidays: 9 AM - 10 PM

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operation, or both?

If yes:

i. Provide details including sources, time of day and duration:

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes No

Describe: _____

n. Will the proposed action have outdoor lighting? Yes No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

current flood lights attached to barn 10 ft high +
no new lighting - 40 ft from house

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? Yes No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? Yes No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? Yes No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? Yes No

If Yes:

i. Describe proposed treatment(s): _____

ii. Will the proposed action use Integrated Pest Management Practices? Yes No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? Yes No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

• Construction: _____ tons per _____ (unit of time)

• Operation: _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

• Construction: _____

• Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

• Construction: _____

• Operation: _____



If Yes:

- i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____
- ii. Anticipated rate of disposal/processing:
 - _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
 - _____ Tons/hour, if combustion or thermal treatment
- iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? Yes No

If Yes:

- i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____
- ii. Generally describe processes or activities involving hazardous wastes or constituents: _____
- iii. Specify amount to be handled or generated _____ tons/month
- iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

NO hazardous waste will be generated

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

- Urban Industrial Commercial Residential (suburban) Rural (non-farm)
- Forest Agriculture Aquatic Other (specify): _____

ii. If mix of uses, generally describe: _____

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	7	0	0
• Forested	3	0	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	3	0	0
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____			



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c. Is the project site presently used by members of the community for public recreation? Yes No
 i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? Yes No
 If Yes,
 i. Identify Facilities: Soc Weekly Day Care

e. Does the project site contain an existing dam? Yes No
 If Yes:
 i. Dimensions of the dam and impoundment:
 • Dam height: _____ feet
 • Dam length: _____ feet
 • Surface area: _____ acres
 • Volume impounded: _____ gallons OR acre-feet
 ii. Dam's existing hazard classification: _____
 iii. Provide date and summarize results of last inspection: _____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? Yes No
 If Yes:
 i. Has the facility been formally closed? Yes No
 • If yes, cite sources/documentation: _____
 ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____
 iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? Yes No
 If Yes:
 i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? Yes No
 If Yes:
 i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: Yes No
 Yes - Spills Incidents database Provide DEC ID number(s): _____
 Yes - Environmental Site Remediation database Provide DEC ID number(s): _____
 Neither database
 ii. If site has been subject of RCRA corrective activities, describe control measures: _____
 iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes No
 If yes, provide DEC ID number(s): _____
 iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____



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- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? Yes No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? 200 feet

b. Are there bedrock outcroppings on the project site? Yes No
 If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %

c. Predominant soil type(s) present on project site: _____ %
 _____ %
 _____ %

d. What is the average depth to the water table on the project site? Average: 300 feet

e. Drainage status of project site soils: Well Drained: 100 % of site
 Moderately Well Drained: _____ % of site
 Poorly Drained: _____ % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ % of site
 10-15%: _____ % of site
 15% or greater: 100 % of site

g. Are there any unique geologic features on the project site? Yes No
 If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Yes No

ii. Do any wetlands or other waterbodies adjoin the project site? Yes No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? Yes No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? Yes No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? Yes No

j. Is the project site in the 100-year Floodplain? Yes No

k. Is the project site in the 500-year Floodplain? Yes No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? Yes No

If Yes:
 i. Name of aquifer: _____

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n. Does the project site contain a designated significant natural community? Yes No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation): _____

ii. Source(s) of description or evaluation: _____

iii. Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? Yes No

If Yes:

i. Species and listing (endangered or threatened): _____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? Yes No

If Yes:

i. Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? Yes No

If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? Yes No

If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? Yes No

i. If Yes: acreage(s) on project site? _____

ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? Yes No

If Yes:

i. Nature of the natural landmark: Biological Community Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? Yes No

If Yes:

i. CEA name: _____

ii. Basis for designation: _____

iii. Designating agency and date: _____



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which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?

If Yes:

i. Nature of historic/archaeological resource: Archaeological Site Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based: _____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? Yes No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? Yes No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? Yes No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? Yes No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? Yes No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Joseph Smith Date 12/12/21

Signature [Signature] Title owner

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PRINT FORM



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Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Agency Use Only [If applicable]

Project :	Serth Event Venue Site
Date :	1/12/22

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer “Yes” to a numbered question, please complete all the questions that follow in that section.
- If you answer “No” to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box “Moderate to large impact may occur.”
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the “whole action”.
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	
Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)			
<i>If “Yes”, answer questions a - j. If “No”, move on to Section 2.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

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2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)

NO

YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____	E2g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h)

NO

YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>



I. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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4. Impact on groundwater The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) If "Yes", answer questions a - h. If "No", move on to Section 5.			
	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

5. Impact on Flooding The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) If "Yes", answer questions a - g. If "No", move on to Section 6.			
	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in development within a 100 year floodplain.	E2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in development within a 500 year floodplain.	E2k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	<input type="checkbox"/>	<input type="checkbox"/>
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	<input type="checkbox"/>	<input type="checkbox"/>



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g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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6. Impacts on Air			
The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) <i>If "Yes", answer questions a - f. If "No", move on to Section 7.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels: i. More than 1000 tons/year of carbon dioxide (CO ₂) ii. More than 3.5 tons/year of nitrous oxide (N ₂ O) iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs) iv. More than .045 tons/year of sulfur hexafluoride (SF ₆) v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions vi. 43 tons/year or more of methane	D2g D2g D2g D2g D2g D2h	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

7. Impact on Plants and Animals			
The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) <i>If "Yes", answer questions a - j. If "No", move on to Section 8.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	<input type="checkbox"/>	<input type="checkbox"/>



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e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____	E1b	<input type="checkbox"/>	<input type="checkbox"/>
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	<input type="checkbox"/>	<input type="checkbox"/>
j. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

8. Impact on Agricultural Resources			
The proposed action may impact agricultural resources. (See Part 1, E.3.a. and b.)		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
<i>If "Yes", answer questions a - h. If "No", move on to Section 9.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	E1 a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>



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9. Impact on Aesthetic Resources
 The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)
If "Yes", answer questions a - g. If "No", go to Section 10.

NO YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile 1/2 -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

10. Impact on Historic and Archeological Resources
 The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)
If "Yes", answer questions a - e. If "No", go to Section 11.

NO YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.	E3e	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	<input type="checkbox"/>	<input type="checkbox"/>



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d. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	<input type="checkbox"/>	<input type="checkbox"/>
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. NO YES

(See Part I. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part I. E.3.d) NO YES

If "Yes", answer questions a - c. If "No", go to Section 13.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>



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13. Impact on Transportation
 The proposed action may result in a change to existing transportation systems. NO YES
 (See Part 1. D.2.j)
 If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action will degrade existing transit access.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

14. Impact on Energy
 The proposed action may cause an increase in the use of any form of energy. NO YES
 (See Part 1. D.2.k)
 If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	<input type="checkbox"/>	<input type="checkbox"/>
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light
 The proposed action may result in an increase in noise, odors, or outdoor lighting. NO YES
 (See Part 1. D.2.m., n., and o.)
 If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in routine odors for more than one hour per day.	D2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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d. The proposed action may result in light shining onto adjoining properties.	D2n	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.)

NO YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	<input checked="" type="checkbox"/>	<input type="checkbox"/>
m. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

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17. Consistency with Community Plans
 The proposed action is not consistent with adopted land use plans.
 (See Part 1. C.1, C.2. and C.3.)
 If "Yes", answer questions a - h. If "No", go to Section 18.

NO YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

18. Consistency with Community Character
 The proposed project is inconsistent with the existing community character.
 (See Part 1. C.2, C.3, D.2, E.3)
 If "Yes", answer questions a - g. If "No", proceed to Part 3.

NO YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

PRINT FULL FORM



ORIGINAL

REVISED

JAN 12 22

DUANESBURG

To whom it may concern:

I am Joe and Christine Serth's neighbor and am fully aware that they are applying for a special use permit for an event venue site, which requires two means of access, one of which is to be used for emergency vehicles. I give Mr. Serth full permission to use my driveway as a second means of access to the event venue site at 216 Batter Street for emergency vehicle use.

Sincerely,

Mary F. Hughes

Mary Hughes



ORIGINAL

Mariaville Volunteer Fire Department
9284 Mariaville Rd, Pattersonville NY
(518) 864 5793

January 13, 2022

To: The Planning Board of Duanesburg

After reviewing the site plan and completing a pre-plan with Mr. Serth, I am fully aware of the plan to use 216-218 Batter Street as an event venue site. I have conducted a site visit and have no concerns with the ability for the fire equipment to access the site. See site map attached.

A handwritten signature in blue ink that reads "Scott A. Bukowski".

Scott A. Bukowski
Chief
Mariaville Volunteer Fire Dept
Cell: 518 956 4923
ScottB@Mariavillefire.com



**Parks, Recreation,
and Historic Preservation**

KATHY HOCHUL
Governor

ERIK KULLESEID
Commissioner

December 9, 2021

Dale Warner
Planner
Town of Duanesburg
5853 Western Turnpike
Duanesburg, NY 12056

Re: SEQRA
Serth Event Venue: Hold Weddings and Parties in an existing Barn
216 Batter St, Mariaville Lake, NY 12137
21PR07767

Dear Dale Warner:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP) as part of your SEQRA process. These comments are those of the Division for Historic Preservation and relate only to Historic/ Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impact must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

We note that the Serth house and barn are adjacent to, but not in, the National Register Listed Mariaville Historic district. Based on this review, our office has no concerns with potential impacts to historic resources resulting from the proposed project.

If this project will involve state or federal permitting, funding or licensing, it may require continued review for potential impacts to architectural and archaeological resources, in accordance with Section 106 of the National Historic Preservation Act or Section 14.09 of NYS Parks Recreation and Historic Preservation Law.

If you have any questions, I can be reached at (518) 268-2164.

Sincerely,

Weston Davey
Historic Site Restoration Coordinator



January 14, 2022

Ref: 20871.00

Joe Serth
8496 Mariaville Road
Pattersonville, NY 12138

Re: Traffic Evaluation, 216 Batter Street Event Facility, Duanesburg, NY

Dear Mr. Serth:

VHB Engineering, Surveying, Landscape Architecture and Geology, PC (VHB) has conducted a traffic evaluation for the proposed event facility located at 216 Batter Street in the Town of Duanesburg, New York. The project includes the use of 216 Batter Street as seasonal indoor/outdoor event space and is expected to have minimal impact to the surrounding roadway network.

Batter Street is designated Schenectady County Route 94 from NY Route 159 (Mariaville Road) to Duanesburg Churches Road. Along the project frontage, Batter Street provides a single travel lane in each direction with narrow paved shoulders and has a posted area speed limit of 35-mph. Access to the site is proposed via the existing full access driveway to Batter Street. Opposite the existing driveway is a private boat launch, dock, and deck providing access to Mariaville Lake. This space is not expected to be used by event patrons. Review of available New York State Department of Transportation (NYSDOT) traffic volume data from 2019 shows that Mariaville Road east of Batter Street has an annual average daily traffic volume (AADT) of 1,385 vehicles per day (vpd). Traffic volume data is not available along the project frontage, but it is expected that traffic volumes are lower than on Mariaville Road.

The proposed project is an event facility anticipated to operate seasonally on Saturdays with a maximum of 20 events, 200 attendees, and a single event per day. Events would typically last for a total of four hours between 9:00 AM and 10:00 PM with two staff coordinating the on-site parking. The project is located slightly east of the Harley Rendezvous Classic event site showing that event traffic occurs in the study area.

Information published by the Federal Highway Administration (FHWA) shows that vehicle occupancy for events typically ranges from 2.2 to 2.8 persons per vehicle. Using an average vehicle occupancy of 2.5 persons per vehicle results in 80 vehicle trips for a 200 person event. The arrival period for an event will generally peak during the 30-minute period prior to the event while the departure period will be more dispersed. Based on this information, the anticipated maximum trip generation at the site is expected to be 80 vehicles during a 30-minute period which correlates to 2 to 3 vehicles per minute during the arrival period. A worst-case departure would mimic the arrival period but is more likely to be spread out over a longer period of time. The maximum level of anticipated traffic, which would occur a maximum of 20 days per year, can be accommodated for on the existing roadway network and no project-related mitigation is recommended.

Engineers | Scientists | Planners | Designers

100 Great Oaks Boulevard, Suite 118, Albany, New York 12203

P 518 389 3600 F 518 452 0324 www.vhb.com

Joe Serth
Ref: 20871.00
January 14, 2022
Page 2



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Review of the surrounding roadway network indicates that the majority of patrons will arrive at the site from Mariaville Road (NY Route 159) resulting in right-turn movements entering the site. As vehicles exit the site, any potential vehicle queues would occur on site and not on Batter Street.

Please call with any questions regarding the above.

Sincerely,

VHB Engineering, Surveying, Landscape Architecture and Geology, P.C.

A handwritten signature in black ink, appearing to read 'Alanna M. Moran'.

Alanna M. Moran, PE
Project Manager

History

216 Batter Street is a 6.8-acre lot on Mariaville Lake. It has two rental houses, two smaller structures and a 150-year old barn. The property has been used for many years for large gatherings of up to 200 people. This year alone, there were six events ranging in size from 50 to 100 people. In the past, it has been the site for the start of the Duanesburg triathlon event. It has also been used for weddings, anniversary parties, camping family reunions, birthday parties and more. The history of the non-commercial use of the land pre-dates my use of the property back in 1989. Unfortunately, in 1990 the old historic barn that was used to host these events, burnt down. In 2020, my family and three of the abutting property owners of 216 Batter Street, erect a 150-year old barn on the property. This barn was re-erected and built to commercial code. It has passed building inspection and electrical inspection. The square footage is just under 1,500 square-foot, making its maximum capacity of 99 people.

How This Will Comply to the Town Law 1 of 2021

Section 1: This permit will cover commercial event venue events only

Section 3: The events will use the existing structures and tents will be erected in the tent area

Section 4. 1-1: The property is split zoned, but only the Non-Lake District will be used

1-2: This permit will not cover non-commercial events. They will continue as they have in the past

1-3: The events will be limited to 150 people and will not cause any significant effect on traffic or emergency service. Before events, there will be two people allocated to help park on our grass parking area to ensure no effect on traffic

Section 4. 2-1:

A. The lot is just under 7 acres

B. The site will use its driveway for all traffic with the exception of emergency vehicles; they will use the neighbor's driveway. The neighbor's driveway will be kept free of obstructions during events. The Fire Chief has inspected both driveways and is okay with the plan and the neighbor will provide permission in writing for the use of her driveway during any event

C. We are looking to start events out at a 99-person capacity and intend to expand to a maximum of 150 people

D. All parking will take place on our grass parking area. We have used this area for parking for events of up to 200 people previously

E. We would like to use the traffic study from the Indian Lookout property, just down the road

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 NOV 1 2021

- F. Customers will be required to provide one Port-A-Potty for every 50 attendees and will be required to provide bottled water
- G. No off-site parking is planned at this time
- H. Amplified sound will be permitted to a maximum of four hours per day and will not exceed 70 Db at the property line with houses and will end at 9PM
- I. Commercial events will end by 10PM

2-3:

A, B, C. The barn was built to commercial code with a capacity of 99 people and has already passed building and electrical inspections. I will have the building inspector re-inspect for this permit

2-4:

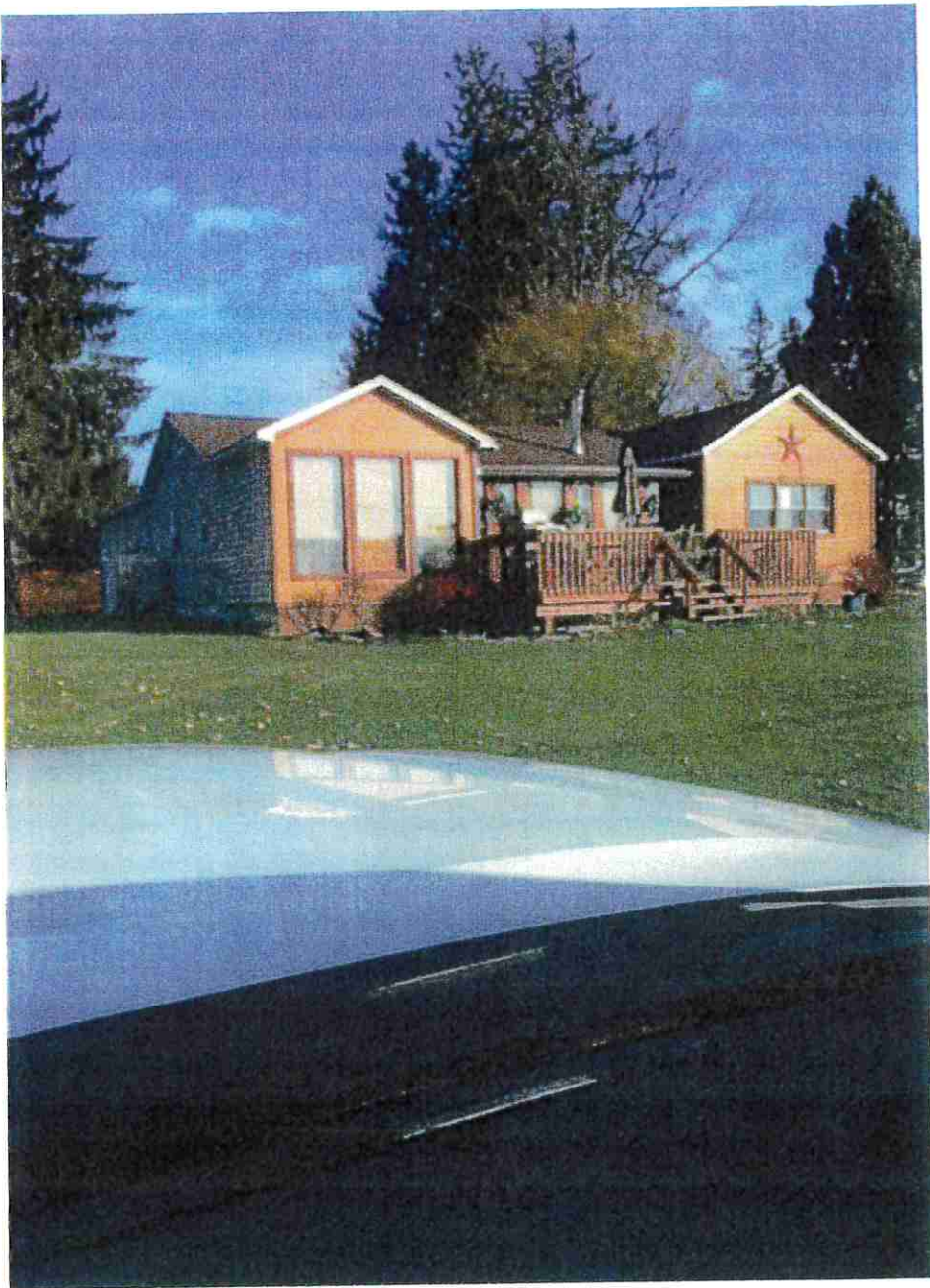
A. The plan is to host events seasonally; mostly on Saturday's between 9AM and 10PM. Most events will be booked as a four-hour event







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NOV 17 2021
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Sent from my iPhone



Conditions for 216-218 Batter Street Venue Site

1. Amplified music will be limited to five hours and will be shut off by 9 PM.
2. Venues will be limited to 150 attendees.
3. If porta potties are used, they'll be cleaned out as soon as possible no later than five days after the event. Porta potty's will not be visible to any adjacent property.
4. Garbage will be placed in an enclosed trailer or building and removed from the site as soon as possible, but no later than five days after the event.
5. Sound will be limited to 70 dB at the closest residential receptor in the lake district. Amplified music will be limited to 70 dB at the property line in the lake district.
6. Sound will be limited to 70 dB at the property line in the non-lake district.
7. Mr. Serth will name the Town of Duanesburg additionally insured on a commercial policy and provide it to the town before the first commercial event. The insurance coverage will be a minimum of \$500,000.
8. Vendors playing amplified music must be approved by Mr. Serth. All DJ's must meet with Mr. Serth prior to any scheduled event. Mr. Serth or a representative must do a sound check with the vendor prior to the event to ensure the vendor will not violate sound rules. Mr. Serth or a representative must do continuous monitoring to ensure sound ordinances are complied with. Contract signed for events must include clause that Mr. Serth reserves the right to shut off all power to amplified music if they do not comply with Mr. Serth's request.
9. A visual sound meter display will be used to help the DJ maintain the proper sound volume.
10. Until sound dampeners are installed, and additional sound readings are taken on the property, all amplified music will be limited to 90 dB measurements being taken 10 feet in front of all speakers.
11. Prior to any commercial event taking place on the property, the town will be provided a list of names and contact information of who will oversee the event, either Mr. Serth or one of his representatives.
12. Mr. Serth agrees that he will come to the planning board anytime they want to review the special use permit.
13. The permit will be limited to 20 commercial events per year.
14. If wedding ceremonies are held on the front yard, temporary screening will be placed along the property line if the neighbors request it.

RECEIVED
OCT 1 2022

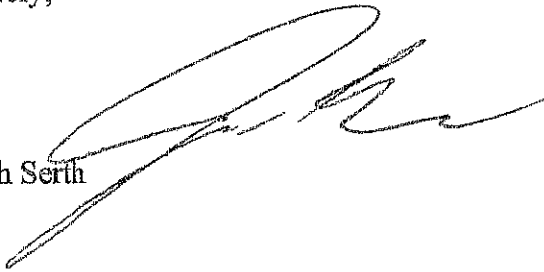
Sound Meter Calibrations

I am a Sonic Technician and I've been using Sonic equipment for over 28 years. All the equipment I've used for years is factory calibrated when it comes to reading dB. This is an electronic function of the equipment that cannot be adjusted. I have routinely completed calibration verifications on equipment to make sure that the decimal readings are accurate. This is different from calibrating a piece of equipment by adjusting settings. I have never found a piece of Sonic equipment to be out of calibration doing a calibration verification in regard to its ability to accurately read dB.

Doing research since my last meeting with the Town Planning Board, I have discovered that there are sound meters that can be calibrated by adjusting settings. Town zoning law 2015 requires that a normal sound meter be used when taking sound readings. A normal sound meter cannot be adjusted. Both my sound meter and the sound meter of the Audio Technician, Mark Burchhardt, who I hired to take readings during the wedding at the event site passed calibration verification for a type one sound meter.

Sincerely,

Joseph Serth

A handwritten signature in black ink, appearing to read 'Joseph Serth', written over a horizontal line.

RECEIVED
OCT 1 2022

Adjustment to Operating Procedures for the Event Venue Site at 216/218 Batter St.

There was a concern that guests at the event would be utilizing the property in the Lake district and that would be a violation of the special use permit because the venue site cannot be in the Lake district without being part of a bed-and-breakfast. The house in the lake district is now a bed-and-breakfast and therefore the property in the Lake district can be used for the event site.

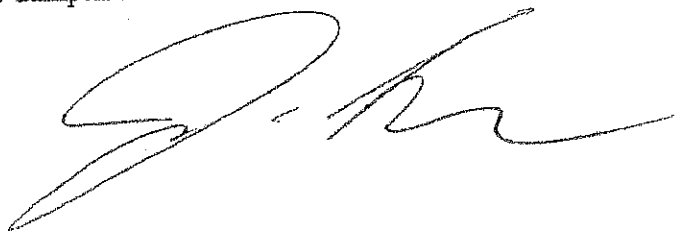
There were concerns over the use of porta pottys and when they would be cleaned and their location. The new map shows a maximum of four porta pottys and their location. The porta pottys will be cleaned out as soon as possible after the event, not to exceed five days. The porta pottys are also not visible from any neighboring property due to the construction of a 6 foot high fence. In addition to the porta pottys, there is still one bathroom facility at 218 Batter Street that is available for events. This is a pre-existing bathroom that will be used as a unisex bathroom. There will have to be modifications to the bathroom to qualify as handicap accessible. Now that there is a bed-and-breakfast on the property in the building known as 216 Batter Street, there will be two more working bathrooms available for the venue. During the wedding in September, the one unisex bathroom and one porta potty was more than sufficient for the event.

There were concerns about garbage facilities on the property. There will be a sufficient number of covered garbage cans during all events. When the garbage cans are full, the garbage bags will be tied and they will be placed in an enclosed trailer next to the porta pottys. The garbage will be removed from the site within five working days. There will be no dumpster on the site. The intention is to take the trailer to the transfer yard at the next available day.

There were concerns over the sound level. During a recent event at the site, we had no problem maintaining less than 70 dB at the property line in regards to the barn area and the tent area. We were unable to maintain less than 70 dB at the property line in the front yard for the wedding ceremony. The town attorney made changes to the draft town law to allow for 70 dB at the closest residential receptor, specifically due to the fact that the bed-and-breakfast could not maintain less than 70 dB along the roadway at their events. I am still requesting the 70 dB limit to be at the closest residential receptor. So, we can have wedding ceremonies on the front yard. I am willing to go with 70 dB at the property line for the rest of the event.

There were concerns over where the cars could park on the front yard. The town law allows for cars to be parked on the front yard as long as there was proper screening. The neighbors did not want cars on the front yard for the event. Although I could put cars on the front yard with proper screening, I have changed my site map and I placed all parking outside the Lake District. During a recent event on the site, I was able to demonstrate parking in the new area.

Additional sound dampeners may be beneficial in the future to help reduce noise at the property line. The proposed additional sound dampeners will be in the form of sliding barn doors that can extend from the barn or other buildings when needed. These doors will be as high as necessary to help dampen the noise. When not in use, these doors will be slid back to the side of the buildings.



MG_3422.jpg



PARKING 56 Cars

IMG_3423.jpg

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OCT 1 2022



Tent Area

IMG_3424.jpg



TENT AREA

IMG_3425.jpg

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OCT 1 2022
Download



TENT AREA

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OCT 18 2022

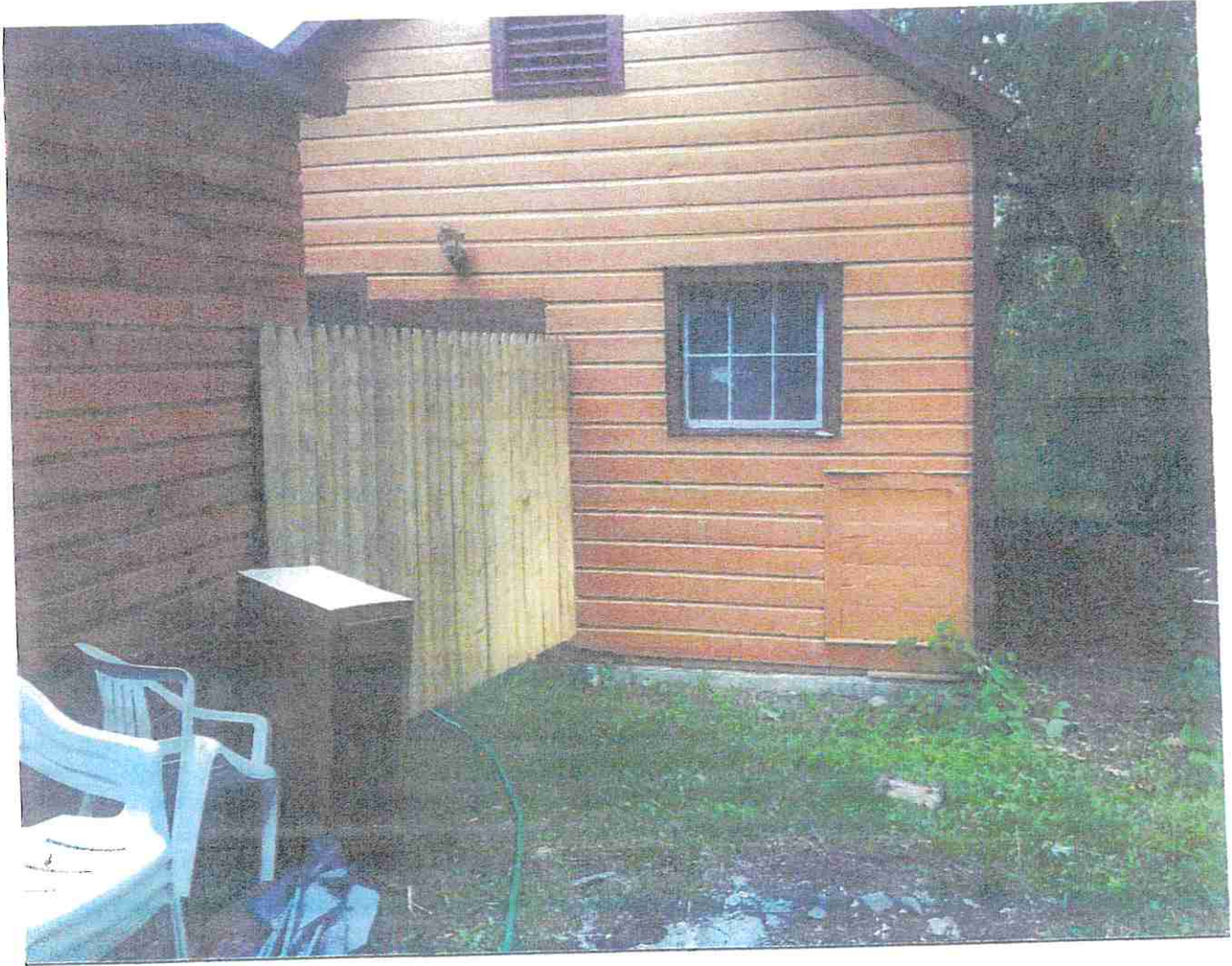
IMG 3411.jpg



FRONT YARD
WEDDING

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OCT 1 2022
Downs

IMG_3444.jpg



PRIVACY FENCE

MG_3445.jpg

OCT 1 2 Days



PRIVACY FENCE

10/18/2022

(31 unread) - cmvski@aol.com - AOL Mail

MG 3410.jpg

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OCT 1 2022



1000002613
OCT 1 2022

Report from the sound check performed at the Serth event barn on April 6, 2022 at 5 PM.

All sound readings were taken by Joseph Serth, Sonic Technician. Please see the enclosed certifications.

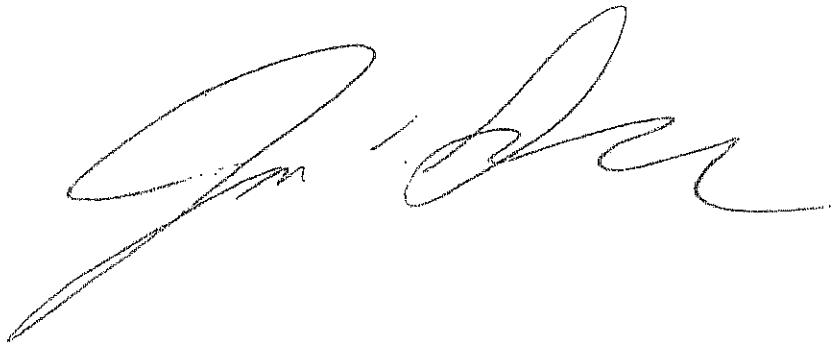
A factory calibrated sound meter "mengshen sound level meter s/n 2021100002613" was used to take all sound readings. The sound meter passed a calibration verification after all readings were taken by using a cm -c200 sound pressure level meter calibrator.

With the sound system playing inside the barn at 90 dB, the maximum sound reading observed at the property line was 61 dB. This reading was taken at point number two on the map. 61 dB is 35% of the maximum allowed on the property line.

With the sound system playing inside of the barn at 100 dB, the maximum sound reading observed at the property line was 67 dB. This reading was taken at point number two on the map. 67 dB is 71% of the maximum allowed on the property line.

With the sound system playing at 90 dB outside of the barn in the tent area, the maximum sound reading observed at the property line was 68 dB. This reading was taken at point number two on the map. 68 dB is 80% of maximum allowed on the property line.

With the sound system playing at 100 dB outside of the barn in the tent area, the maximum sound reading observed at the property line was 76 dB. This reading was taken at point number two on the map. 76 dB is 200% of the maximum allowed on the property line.



RECEIVED
OCT 1 2022

Sound Check at Serth Event Site

Check #1: Conducted with sound system in barn with all doors open using 1600-Watt amp and 4 speakers

Results at 90dB 10 ft in front of speakers and 100dB and 106dB

Location	Ambient Noise	90dB	100dB	106dB
1. Survey stake at NW corner of B&B property line	60	60	60	<70
2. Property line between love shack & barn	60	61	67	72
3. SE corner of love shack	50	51	65	<70
4. B&B carriage house 5ft from property line; 150ft from barn	50	50	52	57
5. NE corner off Mary Hughes' property	55	55	64	69
6. Property line off Jim Segrue	55	55	60	64

April 6 2022 5PM

Check #2 & 3: Resulted in similar data. Locations were in the tent area with speakers facing West and then South

Location	Ambient Noise	90dB	100dB
1. Survey stake at NW corner of B&B property line	60	64	72
2. Property line between love shack & barn	60	68	76
3. SE corner of love shack	50	67	73
4. B&B carriage house 5ft from property line; 150ft from barn	50	60	62
5. NE corner off Mary Hughes' property	55	60	69
6. Property line off Jim Segrue	*71	*71	*71

*Ambient noise at 71dB due to music playing from neighbors

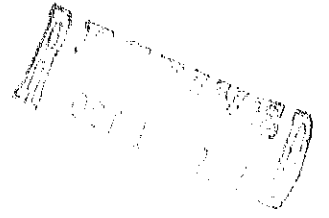
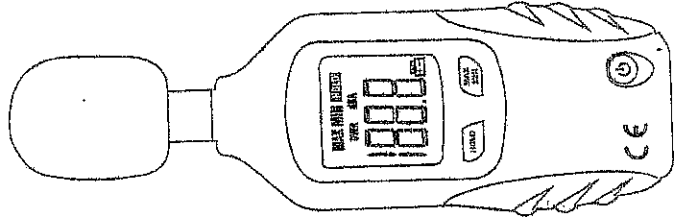
**Measurements were conducted on 6/18/2022 by Joseph Serth

April 6 2022 5PM

S/N 202110002613

Mengshen

Sound Level Meter



1. **⚠ Safety information**

Read the following safety information carefully before attempting to operate or service the meter. Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

● **Environment conditions**

- 1 Altitude up to 2000 meters
- 2 Relatively humidity 90% max.
- 3 Operation Ambient 0~40°C

● **Maintenance & Clearing**

- 1 Repairs or servicing not covered in this manual should only be performed by qualified personnel.
- 2 Periodically wipe the case with a dry cloth. Do not use abrasives or solvents on this instruments.

II. **General Description**

Thank you for using our Sound Level Meter. To ensure that you can get the most from it, we recommend that you read and follow the manual carefully before use.

This Sound Level Meter has been designed to meet the measurement requirements of safety Engineers, Health, Industrial safety offices and sound quality control in various environments.

- Ranges from 30dB to 130dB at frequencies between 31.5Hz and 8 KHz.
- Display with 0.1dB steps on a 3 digits LCD.
- With the equivalent weighted sound pressure levels.,A

III. **Specifications**

Frequency range	:31.5Hz~8KHz
Measuring level range	:30~130dB
Frequency weighting	:A
Microphone	:1/2-inch electret condenser microphone
Display	:LCD
Digital display	:3 digits
Resolution	:0.1dB
Display Up data	:0.5sec.
Time weighting	:FAST(125mS)
Accuracy	:±1.5dB (under reference conditions)
Alarm function	:“OL” is show when input is out of range
Auto power off	:Meter automatically shuts down after approx. 15 minutes of inactivity.
Power supply	:One 9V battery, 006P or IEC 6F22 or NEDA 1604.
Power life	:About 50hrs(alkaline Battery)
Operation temperature	:0 to 40°C(32 to 104°F)
Operation humidity	:10to 90%RH
Storage temperature	:-10 to 60°C(14 to 140°F)
Storage humidity	:10 to 75%RH
Dimensions	:170*58*35mm 107g(N/W)
Package	:9V battery, carrying case, Instruction manual.



Sonic Systems International, LLC

Certificate of Qualification for

Joseph P. Serth 8453

This individual is certified in accordance with Sonic Systems International LLC's Nondestructive Examination Qualification and Certification Program, which is in compliance with the applicable portions of ASNT SNT-TC-1A, CP-189 and ASME Section XI.

SSI NDE Certification Procedure No.:

SSI-A-005 Rev. 33

CERTIFICATIONS

Method	Level	Certification		General/ Specific/ Practical/			Demo	Score	Examination Administrator	
		Date	Expiration	Basic	Method	Specific				
UT	II-PDI	1/8/2022	1/8/2025	93.33	93.33	96	N/A	N/A	94.22	Wade Holasek Level III
VT	II 1,2,3	1/7/2022	1/7/2025	95.38	94	94	N/A	N/A	94.46	Wade Holasek Level III

Limitations/
Restrictions: None.

Test Techniques: UT: Contact; VT: 1: 2: 3: Direct and Remote.

Eye Exam: Not valid without current Visual Acuity.

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: CSW / P. P. 22
ROA: GAS / 08-09-22

Approved by
Wade Holasek Digitally signed by Wade Holasek
Date: 2022.07.28 10:40:06 -04'00'

Wade E. Holasek SSI Level III

Hartford Steam Boiler
Witness Review Demo
Full Name: James W. Niemerg
NB#: 11622 Date: 27 SEP 22

EXELON NDE Services
Reviewed By: [Signature]
Date: 9-14-22



Sonic Systems International, LLC

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08/11/22

Certificate of Qualification for

Joseph P. Serth 8453

EDUCATION

Diploma- Shenendehowa High School - Clifton Park, NY, 1983
 Associates Degree- Schenectady County Community College - Schenectady, NY, 1989

TRAINING

CLS	LAB	
24		MT Hours - Magnetic Particle Testing, Hellier School for NDE
16		PT Hours - Liquid Penetrant Testing, Hellier School for NDE
20	20	UT Hours - Basic Ultrasonics, Staveley School for NDE
20		UT Hours - Ultrasonic Testing, GE NE
14		UT Hours - Ultrasonic Testing, GE NE
10		UT Hours - Ultrasonic Testing, GE NE
56		UT Hours - Ultrasonic Testing, GE NE
14	50	UT Hours - Ultrasonic Testing, IGSCC, EPRI
10		UT Hours - Ultrasonic Testing, GE NE
6	4	UT Hours - Ultrasonic Testing Lab, Raytheon
	10	UT Hours - Ultrasonic Testing Lab, Raytheon
	10	UT Hours - Ultrasonic Testing Lab, Raytheon
	8	UT Hours - Ultrasonic Testing Lab, Raytheon
24		UT Hours - UT Phased Array Harfang X-32 training, Progress Energy
4		UT Hours - Thermal Fatigue Cracking MRP-36, MRP-146, MRP-192, WesDyne
4		UT Hours - Thermal Fatigue Cracking MRP-36, MRP-146, MRP-192, SSI
4	4	UT Hours - Thermal Fatigue Cracking MRP-36, MRP-146, MRP-192, WesDyne
4		UT Hours - Thermal Fatigue Cracking MRP-36, MRP-146, MRP-192, WesDyne
4		UT Hours - Thermal Fatigue Cracking MRP-36, MRP-146, MRP-192, WesDyne
4		UT Hours - Materials Reliability Management, WesDyne
45		VT Hours - Visual VT1,2,3 +IWE/IWL, SSI
5		VT Hours - Visual VT-2 Boric Acid Inspection, SSI
4		VT Hours - Boric Acid Corrosion Control Supplemental Training, WesDyne
4		VT Hours - Boric Acid Corrosion Control Supplemental Training, WesDyne

Appendix VIII, Hands-On-Practice, 8 Hours, Expires 1/23/2023

EXPERIENCE

Documented Experience			AE	LT	ET	MT	PT	RT	UT	VT	VT-1	VT-2	VT-3	M1	M2
Date	Company	Level							II-PDI	II 1,2,3					
03/94 to 05/18	GE-Hitachi	N/A	0	0	0	559	331	0	3328	261	0	0	0	0	0

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: CSW / 8-8-22
 ISQA: SAS / 08-09-22



Sonic Systems International, LLC

RECEIVED
08/09/22

Certificate of Qualification for

Joseph P. Serth 8453

EXPERIENCE

Documented Experience			AE	LT	ET	MT	PT	RT	UT	VT	VT-1	VT-2	VT-3	M1	M2
Date	Company	Level							II-PDI	II 1,2,3					
03/97 to 04/97	LMT	N/A	0	0	0	9	105	0	74	0	0	0	0	0	0
10/98 to 03/00	Raytheon	N/A	0	0	0	412	479	0	1150	45	0	0	0	0	0
02/01 to 04/21	SSI	N/A	0	0	0	787	730	0	9700	761	0	0	0	0	0
09/21 to 10/21	SSI	II	0	0	0	16	16	0	300	16	0	0	0	0	0
Total Experience			0	0	0	1783	1661	0	14552	1083	0	0	0	0	0

ADDITIONAL CERTIFICATIONS

- UT, Appendix VIII EPRI-DMW-PA-1 Qualified in Detection and Length Sizing for Dissimilar Metal - Piping
- UT, Appendix VIII EPRI-WOL-PA-1 Qualified in Detection for Austenitic - Overlay
- UT, Appendix VIII PDI-ISI-210 MD Qualified in Detection and Through Wall Extension for Ferritic with SMAW as Ground, Cladding - Inner Corner Radius
- UT, Appendix VIII PDI-UT-1 Qualified in Detection and Length Sizing for Ferritic - Piping
- UT, Appendix VIII PDI-UT-10 Qualified in Detection and Length Sizing for Dissimilar Metal - Dissimilar
- UT, Appendix VIII PDI-UT-2 Qualified in Detection and Length Sizing for Austenitic with IGSCC - Piping
- UT, Appendix VIII PDI-UT-3 Qualified in Through Wall Sizing for Austenitic with IGSCC - Piping
- UT, Appendix VIII PDI-UT-3 Qualified in Through Wall Sizing for Ferritic - Piping
- UT, Appendix VIII PDI-UT-5 Qualified in Straight Beam Examination for Ferritic - Bolting
- UT, Appendix VIII PDI-UT-6 Qualified in Detection for Ferritic with SMAW as Ground, Cladding - Vessel
- UT, Appendix VIII PDI-UT-7 Qualified in Through Wall and Length Sizing for Ferritic with SMAW as Ground, Cladding - Vessel
- UT, Appendix VIII PDI-UT-8 Qualified in Detection and Length Sizing for Austenitic - Overlay
- UT, Appendix VIII PDI-UT-8 Qualified in Through Wall Sizing for Austenitic - Overlay
- UT, Appendix VIII WDI-STD-119-A in Detection and Length Sizing for Dissimilar Metal - Piping
- UT, Appendix VIII WDI-STD-119-C in Detection and Length Sizing for Austenitic with IGSCC - Piping
- UT, Appendix VIII WDI-STD-119-C in Detection and Length Sizing for Ferritic - Piping
- VT, Qualified to perform ASME XI Visual IWE/IWL Inspections – Exp Date 1/7/2025
- VT, Qualified to perform ASME XI Visual VT-2 Boric Acid Inspections – Exp Date 1/7/2025

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: CSW / 8-9-22
DQA: GAS / 08-09-22



APPENDIX VII ANNUAL / APPENDIX VIII SEMI ANNUAL
HANDS ON PRACTICE RECORD (8 HOURS)

Examiner: Joseph Serth ID / Last 4 of SS# 8453

Date(s) of Training/Practice: 7/23/2022

Procedure No./Title/Revision: PDI-UT-1 Rev. G
PDI-UT-2 Rev. I

Test Specimens Used (include supplement description, I.D., number of samples):

Flawtech UT-1072 CS, Flawtech UT-263-01 CS, Flawtech U 186 CS,
Flawtech UA-223-07 SS, Flawtech UA-245-10, UA-224-04 CS and UA-245-09 SS

Performance (non-encoded examinations):

Performance (encoded examinations):

- (a) Equipment selection
- (b) Equipment calibrations
- (c) Scanning
- (d) Data interpretation
- (e) Data recording
- (f) Documentation of examination

<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>

- (a) Data quality verification
- (b) Essential variable verification
- (c) Data analysis
- (d) Data recording
- (e) Documentation of examination

N/A
N/A
N/A
N/A
N/A

Comments: None

Administrator Name: Wade Holasek Level: III

Administrator Signature: [Signature] Date: 7/23/2022

Administrator's Company Affiliation: Sonic Systems LLC

Administrator's Telephone No.: 281-531-7611

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: CSW / 8-8-22
FOA: GAJ / 08-09-22



Vision Acuity Record

This Vision Acuity expires 12 months from the Examination Date

Printed Name: Joseph Serth	Last 4 of SSN: 8453
----------------------------	---------------------

NEAR VISION TEST	Jaeger J-1 or equivalent	Right Eye	Left Eye	Both Eyes	Results
Requirement: Must be at least J-1 or equivalent (20/25) in at least one eye.	<input type="checkbox"/> Uncorrected	J-1	J-1	J-1	<input checked="" type="checkbox"/> Acceptable
	<input checked="" type="checkbox"/> Corrected				<input type="checkbox"/> Unacceptable
DISTANCE VISION TEST	Snellen or equivalent	Right Eye	Left Eye	Both Eyes	Results
Requirement: Must be 20/30 in at least one eye.	<input checked="" type="checkbox"/> Uncorrected	20/20	20/30	20/20	<input checked="" type="checkbox"/> Acceptable
	<input type="checkbox"/> Corrected				<input type="checkbox"/> Unacceptable

NOTE: For purposes of acceptance, J1 and 20/30 vision achieved using two eyes meets the requirement for "at least one eye."

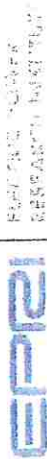
COLOR and GRAY SCALE VISION TEST	* Color Deficiency If a color deficiency exists, describe the limits and alternative examinations administered in the comments section below (e.g. Practical examination that assures ability to perform within the discipline).	Results
	<input checked="" type="checkbox"/> Ishihara's Test Method <input type="checkbox"/> Alternate Color Test Method * <input type="checkbox"/> Capability to distinguish colors applicable to the NDE method certified.	<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
	Gray Scale Vision Testing- Radiography (RT) Testing Personnel Only	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable
	* <input type="checkbox"/> Capability to distinguish colors applicable to the NDE method certified.	

Comments: None

SSI Vision Acuity Kit Number: 057

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: CSW / P-P-22
 ISQA: GAA 08-09-22

Examined by Signature	Printed Name	Title	Exam Date
	Wade Holasek	Vision Examiner	7/23/2022



Performance Demonstration Initiative Program

Printed: 08-Apr-14

PDQS No: 529

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementations of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: EPRI-DMW-PA-1; Revision: 0; Addenda: 0

Procedure for Manual Phased Array Ultrasonic Examination of Dissimilar Metal Welds

PDQS Rev:	1	Date of Issue:	01-Nov-11
Owner:	EPRI NDE CENTER	Acquisition SW Type/Rev:	N/A
Category:	Piping	Analysis SW Type/Rev:	N/A
Hardware:	N/A	Scan Application:	Manual
		Exam Surface:	Outside

Ranges Demonstrated:

Date:	05-Jan-09
MinDiam:	2.00
MaxDiam:	50.00
MinThick:	0.280
MaxThick:	5.200
Material:	Dissimilar Metal
Examination:	Detection
Access:	Double Sided
Weld Cond:	Ground Flush
Access:	Single Sided
Weld Cond:	Ground Flush
Examination:	Length Sizing
Access:	Double Sided
Weld Cond:	Ground Flush
Access:	Single Sided
Weld Cond:	Ground Flush

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PMA / 12-20-14
 ISOA: GA / 12-19-14



Performance Demonstration Initiative Program

PERFORMANCE DEMONSTRATION PROGRAM

Printed: 08-Apr-14
 PDQS No: 529

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529
Procedure: EPRI-DMW-PA-1; Revision: 0; Addenda: 0
Procedure for Manual Phased Array Ultrasonic Examination of Dissimilar Metal Welds

PDQS Rev: 1	Date of Issue: 01-Nov-11
Owner: EPRI NDE CENTER	Acquisition SW Type/Rev: N/A
Category: Piping	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual
	Exam Surface: Outside

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved
 When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved.

Tolerances for field applications as follows:

- Diameter: Lower: .500" can be subtracted from the minimum diameter demonstrated.
- Upper: Diameters greater than 24" need not be demonstrated.
- Thickness: Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic.
- Upper: 25% of the minimum thickness demonstrated for dissimilar metal welds.
- 0.500" can be added to the maximum thickness demonstrated for ferritic material.
- 25% of the maximum thickness demonstrated for austenitic material.

This candidate has met the practical requirements of Appendix VII: Yes

- Comments:**
- 1 See procedure and attached Table 1 for qualified search unit/instrument combinations
 - 2 This procedure/candidate is qualified for examinations performed from either single or dual sided access as applicable.
 - 3 Circumferential Flaw Coverage - The entire ASME examination volume must be covered with examination angles between 45 and 70 degrees from at least one direction. Angles lower than 45 degree may be used for specific configurations defined in the procedure.
 - 4 Axial Flaw Coverage - The entire volume must be covered from two directions with all procedurally defined angles. The extremities of the examination volume must be examined with the zero degree skew angles in order to claim 100 percent coverage.
 - 5 This procedure has not been demonstrated to detect, size or characterize embedded flaws, however guidance is provided.

- Limitations:**
- 1 This procedure/candidate is not qualified for examinations performed from the cast stainless steel side of a component.
 - 2 This procedure/candidate is not qualified for examinations where the ultrasound is required to propagate through an adjacent Austenitic weld prior to impinging on the dissimilar metal weld. The PDI 711 series sample is an example of this configuration.
 - 3 This procedure/candidate is not qualified for examinations performed on tapered surfaces, however guidance is provided.

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 Reviewed and Approved
 NDE Level III: PM / 12-20-14
 ISOA: SN / 12-19-14

Performance Demonstration Initiative Program

PERFORMANCE DEMONSTRATION PROGRAM

Printed: 08-Apr-14
PDQS No: 529

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529
Procedure: EPRI-DMW-PA-1; Revision: 0; Addenda: 0
Procedure for Manual Phased Array Ultrasonic Examination of Dissimilar Metal Welds

PDQS Rev: 1	Date of Issue: 01-Nov-11
Owner: EPRI NDE CENTER	Acquisition SW Type/Rev: N/A
Category: Piping	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual
	Exam Surface: Outside

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Digitally signed by Mike Ortuella
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 NDE Certification Documentation
 Revised and Approved
 NDE Level III: JPM / 12-2019
 ISOM: GJM / 12-19-19

Performance Demonstration Initiative
 Supervisor/Level III

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Performance Demonstration Initiative
 Piping Project Manager

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Performance Demonstration Initiative Program

Printed: 26-Sep-13

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: EPRI-WOL-PA-1; Revision: 2; Addenda: 0

Procedure for Manual Phased Array Ultrasonic Examination of Weld Overlay Similar and Dissimilar Metal Welds

PDQS Rev: 0 Date of Issue: 06-Aug-13
 Owner: EPRI NDE CENTER Acquisition SW Type/Rev: N/A
 Category: Overlay Analysis SW Type/Rev: N/A
 Hardware: N/A Scan Application: Manual

Ranges Demonstrated:

Date: 03-Jun-13	Min Diam: 2.00	Min Thick: 0.15
	Max Diam: 28.00	Max Thick: 1.10
Material: Austenitic		
Examination: Overlay		
Access: Dual		
Weld Crown Condition:		
Short Range Roughness <= 250 RMS		
Long Range Roughness <= 1/32 Gap		
Under Search Unit For Entire Length of Scan		

Washinghouse Electric Company
 NDE Certification and Approved
 Reviewed and Approved
 NDE Level III: PPH 12-20-14
 ISQA: GAV 12-18-14





Performance Demonstration Initiative Program

PERFORMANCE DEMONSTRATION PROGRAM

Printed: 26-Sep-13

PDQS No: 529

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: EPRI-WOL-PA-1; Revision: 2; Addenda: 0

Procedure for Manual Phased Array Ultrasonic Examination of Weld Overlay Similar and Dissimilar Metal Welds

Westinghouse Electric Company
NDE Certification Documented 12-20-19

Reviewed and Approved 12-20-19
NDE Level III: PAM 12-20-19

ISQA: SA 12-20-19

PDQS Rev: 0
Owner: EPRI/NDE CENTER
Category: Overlay
Hardware: N/A

Date of Issue: 06-Aug-13
Acquisition SW Type/Rev: N/A
Analysis SW Type/Rev: N/A
Scan Application: Manual

Tolerances for field applications as follows:

Diameter:

Pipe diameters within a range of 0.9 to 1.5 times the nominal diameter demonstrated shall be considered equivalent.

Diameters greater than 2.4" need not be demonstrated.

Thickness:

Lower: 0.100" can be subtracted from the minimum overlay thickness demonstrated.

Upper: 0.250" can be added to the maximum overlay thickness demonstrated.

This candidate has met the practical requirements of Appendix VII: No

Comments:

- 1 Candidates qualified to earlier revisions of this procedure are qualified to use this revision.
- 2 See procedure Table 1 and Table 2 for qualified search unit / instrument combinations and essential variable settings.
- 3 For PSI axial examinations of the overlay material, 100% coverage can be claimed if the entire examination volume is covered from at least one direction.
- 4 For PSI circumferential examinations of the overlay material, 100% coverage can be claimed if the entire examination volume is covered from two directions.
- 5 For ISI examinations, 100% percent coverage may be claimed when the required volume is examined from 2 directions in both the circ. and axial scan directions.
- 6 For ISI examinations of component diameters $\geq 4"$ (pre-overlay), examination coverage may be claimed when the required volume is examined with angles $\geq 25^\circ$.
- 7 For ISI examinations of component diameters $< 4"$ (pre-overlay), examination coverage may be claimed when the required volume is examined with angles $\geq 45^\circ$.
- 8 The Appendix VIII demonstration requirements applicable to this procedure do not contain provisions to demonstrate sizing of axial flaws. When required, the techniques described for circumferential flaw sizing shall be used for axial flaw sizing.

Limitations: 1 This procedure/candidate is not qualified for establishing the through wall dimension of flaws contained within the weld overlay material. However, establishing the remaining ligament above a flaw tip is qualified.

2 This procedure/candidate is not qualified for detection, length or depth sizing of flaws contained within the base material of cast stainless steel components.

Performance Demonstration Initiative Program

Printed: 26-Sep-13
PDQS No: 529

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: EPRI-WOL-PA-1; Revision: 2; Addenda: 0

Procedure for Manual Phased Array Ultrasonic Examination of Weld Overlay Similar and Dissimilar Metal Welds

PDQS Rev: 0	Date of Issue: 06-Aug-13
Owner: EPRI NDE CENTER	Acquisition SW Type/Rev: N/A
Category: Overlay	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

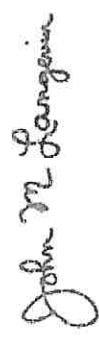
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 NDE Certification Documentation
 Renewed and Approved
 12/26/19
 NDE Level III: JPM / JPM
 ISOR: GNS / GNS

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Performance Demonstration Initiative
 Supervisor/Level III

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Performance Demonstration Initiative
 Piping Project Manager



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PERFORMANCE DEMONSTRATION PROGRAM

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 27-Jun-14

PDQS No: 529

Specific Detail of Qualifications

Candidate: Joseph P. Serth

ID#: 529

Procedure: ISI-PDI-210 MD; Revision: 3; Addenda: 0
Manual Ultrasonic Procedure for Examination of Nozzle Inner Corner Radius Areas in
Accordance with ASME Section XI, including Appendix VIII

PDQS Rev: 3
Date of Issue: 27-Jun-14
Category: RPV
Scan Application: Manual
Hardware: N/A
Acquisition SW Type/Rev: N/A
Analysis SW Type/Rev: N/A
Owner: WesDyne International LLC

Ranges Demonstrated:

EXAMINATION VOLUME INCLUDES THE NOZZLE INSIDE RADIUS SECTION PER ASME APPENDIX VIII			
Material:	FERRITIC WITH SMAW AS GROUND, CLADDING	Test Date:	10-Oct-02
Surface:	OUTER DIAMETER		
Access:	DUAL SIDED		
Exam:	DETECTION		
Essential Set:	Essential Set 1		
Maximum Metal Path:	25.16	Maximum Misorientation Angle:	22.5
Minimum Inspection Angle:	65	Maximum Inspection Angle:	90
Essential Set:	Essential Set 2		
Maximum Metal Path:	24.26	Maximum Misorientation Angle:	22.5
Minimum Inspection Angle:	65	Maximum Inspection Angle:	90
Exam:	THROUGH WALL EXTENSION		
Essential Set:	Essential Set 4		
Maximum Metal Path:	17.55	Maximum Misorientation Angle:	22.0
Minimum Inspection Angle:	45	Maximum Inspection Angle:	55

EXAMINATION VOLUME INCLUDES THE NOZZLE-TO-VESSEL WELD PER ASME APPENDIX VIII			
Material:	FERRITIC WITH SMAW AS GROUND, CLADDING	Test Date:	10-Oct-02
Surface:	OUTER DIAMETER		
Access:	DUAL SIDED		
Exam:	DETECTION		
Essential Set:	Essential Set 3		
Maximum Metal Path:	17.55	Maximum Misorientation Angle:	22.0
Minimum Inspection Angle:	42	Maximum Inspection Angle:	50

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Reviewed and Approved
12-20-19
NDE Level III: PJA
ISQA: GAV 12-19-19

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 27-Jun-14
PDQS No: 529

Specific Detail of Qualifications

Candidate: Joseph P. Serth ID#: 529
Procedure: ISI-PDI-210 MD; Revision: 3; Addenda: 0
Manual Ultrasonic Procedure for Examination of Nozzle Inner Corner Radius Areas in Accordance with ASME Section XI, including Appendix VIII

PDQS Rev: 3
 Date of Issue: 27-Jun-14
 Category: RPV
 Scan Application: Manual
 Hardware: N/A
 Acquisition SW Type/Rev: N/A
 Analysis SW Type/Rev: N/A
 Owner: WestDyne International LLC

Ranges Demonstrated:

EXAMINATION VOLUME INCLUDES THE NOZZLE-TO-VESSEL WELD PER ASME APPENDIX VIII			
Material:	FERRITIC WITH SMAW AS GROUND, CLADDING	Test Date:	11-Feb-05
Surface:	OUTER DIAMETER		
Access:	DUAL SIDED		
Exam:	THROUGH WALL EXTENSION		
Essential Set:	Essential Set 4		
Maximum Metal Path:	17.55	Maximum Misorientation Angle:	22.0
Minimum Inspection Angle:	45	Maximum Inspection Angle:	55

ISI-PDI-210 MD
 Revision 3 Addenda 0
 NDE Level III: PM
 ISI-SCM-529

Performance Demonstration Initiative Program

Printed: 27-Jun-14

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Detail of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: ISI-PDI-210 MD; Revision: 3; Addenda: 0

Manual Ultrasonic Procedure for Examination of Nozzle Inner Corner Radius Areas in Accordance with ASME Section XI, including Appendix VII

PDQS Rev:	3	Hardware:	N/A
Date of Issue:	27-Jun-14	Acquisition SW Type/Rev:	N/A
Category:	RPV	Analysis SW Type/Rev:	N/A
Scan Application:	Manual	Owner:	WestDyne International LLC

Nozzle Inside Radius Acceptance Criteria per 10CFR 50.55a:

When "Through Wall Extension" is indicated, the 0.150 RMS acceptance criteria per the PDI Program Description has been achieved.

Nozzle-to-Vessel Acceptance Criteria per 10CFR 50.55a:

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.

When "Through Wall Extension" is indicated, the 0.150 RMS acceptance criteria per the PDI Program Description has been achieved.

This candidate has met the practical requirements of Appendix VII: **No**

Comments:

- 1 This demonstration was conducted in accordance with the requirements of 10 CFR 50.55a including Code Case N-552 and Appendix VIII as implemented by the PDI Program for Nozzle Inner Radius (NIR) and Nozzle to Vessel examinations.
- 2 This procedure was qualified on Nozzle Mockups representing a cylinder-to-cylinder configuration, (i.e., nozzle to shell). ASME Section XI, Appendix M, provides guidance that may be used for validation of mathematical models used for other applications.
- 3 Individual candidates, qualified to this procedure have previously qualified to the requirements of Appendix VIII, Supplement 4, for the same type of procedure, from the outside surface, using same instruments, data recording and analysis equipment.
- 4 "Nominal Inspection Angle" as used with this procedure is based on "angle at the flaw"
- 5 * Essential Set 1 defines the tolerances when using transducer combinations of 1/2" x 1.0" / 1/2" x 1.0" or 1/2" x 1.0" / 7/8" Round for the purpose of detection for NIR.
- 6 * Essential Set 2 defines the tolerances when using transducer combinations of 1/2" x 1.0" / .50" Round for the purpose of detection for NIR.
- 7 * Essential Set 3 defines the tolerances when using transducer size of .50" Round for the purpose of detection for nozzle to vessel welds inner 15% t.
- 8 * Essential Set 4 defines the tolerances when using transducer size of .50" Round for the purpose of sizing for NIR and nozzle to vessel welds inner 15% t
- 9 This procedure ISI-PDI-210 MD Rev. 3 replaces ISI-PDI-210 MD Rev. 1.

Limitations:

- 1 This procedure is not PDI qualified for the examination of Zones 2B and 3 which are specified in "Attachment A" These examination areas are outside of ASME Section XI, Appendix VIII and the PDI demonstration protocol

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 NDE Level II: GAN / 12-10-19
 ISO: GAN / 12-19-19

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 27-Jun-14

PDQS No: 529

Specific Detail of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: ISI-PDI-210 MD; Revision: 3; Addenda: 0
Manual Ultrasonic Procedure for Examination of Nozzle Inner Corner Radius Areas in
Accordance with ASME Section XI, including Appendix VIII

PDQS Rev: 3	Hardware: N/A
Date of Issue: 27-Jun-14	Acquisition SW Type/Rev: N/A
Category: RPV	Analysis SW Type/Rev: N/A
Exam Application: Manual	Owner: WesDyns International LLC

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Westhouse Electric Company
Reviewed and Approved
NDE Level III: TM
12-28-14
ISOA: 529

Digitally signed by Scott Hall
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ou=Performance Demonstration,
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Date: 2014.07.07 10:04:01 -04'00'

Performance Demonstration Initiative
RPV, CRDM, & Bolling Supervisor/Level III

Digitally signed by John G. Abbott
DN: cn=John G. Abbott, o=EPRI,
ou=PDI, email=jabbott@epri.com,
c=US
Date: 2014.07.09 07:43:14 -04'00'

Performance Demonstration Initiative
RPV, CRDM, & Bolling Project Manager

Performance Demonstration Initiative Program

Printed: 18-Dec-13

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-1; Revision: B; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Ferritic Pipe Welds

PDQS Rev: 2
 Owner: Performance Demonstration Initiative
 Category: Piping
 Hardware: N/A
 Date of Issue: 13-Feb-13
 Acquisition SW Type/Rev: N/A
 Analysis SW Type/Rev: N/A
 Scan Application: Manual

Ranges Demonstrated:

Date:	07-Feb-00	MinThick:	0.337
MinDiam:	4.000	MaxThick:	3.125
MaxDiam:	37.000		
Material:	Ferritic		
Examination:	Detection		
Access:	Double Sided		
Weld Cond:	Ground Flush		
Weld Cond:	Flat Top		
Access:	Single Sided		
Weld Cond:	Ground Flush		
Weld Cond:	Flat Top		
Examination:	Length Sizing		
Access:	Double Sided		
Weld Cond:	Ground Flush		
Weld Cond:	Flat Top		
Access:	Single Sided		
Weld Cond:	Ground Flush		
Weld Cond:	Flat Top		

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 NDE Level III: DPH / 12-10-14
 ISOA: GN / 12-19-14



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PERFORMANCE DEMONSTRATION PROGRAM

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 18-Dec-13

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-1; Revision: B; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Ferritic Pipe Welds

PDQS Rev: 1	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Piping	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.
 When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved.

Tolerances for field applications as follows:

Diameter:

Lower: 0.500" can be subtracted from the minimum diameter demonstrated.
 Upper: Diameters greater than 24" need not be demonstrated.

Thickness:

Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic.
 Upper: 1.000" can be added to the maximum thickness demonstrated for ferritic material.
 0.500" can be added to the maximum thickness demonstrated for austenitic material.

This candidate has met the practical requirements of Appendix VII: No

- Comments:**
- 1 The Appendix VIII demonstration requirements applicable to this procedure do not contain provisions to demonstrate sizing of axial flaws. When required, the techniques described for circumferential flaw sizing shall be used for axial flaw sizing.
 - 2 See procedure and attached Table 1 for qualified search unit/instrument combinations.
 - 3 Candidates who have received qualifications utilizing Revision A of this procedure are also qualified to use Revision B.

Limitations:

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PRM / 12-20-13
 ISQA: GAN / 12-19-13

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-1; Revision: B; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Ferritic Pipe Welds

PDQS Rev: 2	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Piping	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Westinghouse Electric Company
 NDE Level III, NDT
 Reviewed and Approved
 12/20/13
 ISOM: SSI/MS/RS

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Performance Demonstration Initiative
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Performance Demonstration Initiative
 Piping Project Manager

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-10; Revision: A; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Dissimilar Metal Piping Welds

PDQS Rev: 2	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Piping	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual
	Exam Surface: Outside

Ranges Demonstrated:

Date: 06-Jan-05	Min Thick: 0.280
Max Diam: 50.00	Max Thick: 5.280
Material: Dissimilar Metal	
Examination: Detection	
Access: Single Sided	
Weld Cond: Ground Flush	

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PAM / 12-20-19
 ISOA: GNV / 12-19-19

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-10; Revision: A; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Dissimilar Metal Piping Welds

PDQS Rev: 2	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Piping	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual
	Exam Surface: Outside

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.

When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved.

Tolerances for field applications as follows:

Diameter: Lower: .500" can be subtracted from the minimum diameter demonstrated.

Upper: Diameters greater than 24" need not be demonstrated.

Thickness: Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic.

25% of the minimum thickness demonstrated for dissimilar metal welds.

Upper: 1.000" can be added to the maximum thickness demonstrated for ferritic material.

0.500" can be added to the maximum thickness demonstrated for austenitic material.

25% of the maximum thickness demonstrated for dissimilar metal welds.

This candidate has met the practical requirements of Appendix VII: Yes

- Comments:**
- See procedure and attached Tables 1 and 2 for qualified search unit/instrument combinations and settings.
 - The Appendix VIII demonstration requirements applicable to this procedure do not contain provisions to demonstrate sizing of axial flaws. When required, the techniques described for circumferential flaw sizing shall be used for axial flaw sizing.

- Limitations:**
- This procedure/candidate is not qualified for examinations performed from the cast stainless steel side of a component.
 - This procedure/candidate is not qualified for through wall sizing.
 - This procedure/candidate is not qualified for examinations where the ultrasonic sound beam is required to propagate through an adjacent weld prior to impinging on the dissimilar metal weld. The PDI 711 series sample is an example of this configuration.
 - Examination of safe-end replacement configurations, identified as 706 and 707 series configurations in the PDI Program are qualified.
 - This procedure/candidate is qualified for examination from both single and dual sided access as applicable.

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: MM / 12-28-19
 ISQA: GN / 12-18-19

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529
Procedure: PDI-UT-10; Revision: A; Addenda: 0
PDI Generic Procedure for the Ultrasonic Examination of Dissimilar Metal Piping Welds

PDQS Rev:	2	Date of Issue:	13-Feb-13
Owner:	Performance Demonstration Initiative	Acquisition SW Type/Rev:	N/A
Category:	Piping	Analysis SW Type/Rev:	N/A
Hardware:	N/A	Scam Application:	Manual
		Exam Surface:	Outside

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

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Performance Demonstration Initiative
Supervisor/Level III

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Performance Demonstration Initiative
Piping Project Manager

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: JMM / 12-26-13
ISQA: SW / 12-19-13

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529
Procedure: PDI-UT-10; Revision: C; Addenda: 1
PDI Generic Procedure for the Ultrasonic Examination of Dissimilar Metal Welds

PDQS Rev: 1 Date of Issue: 01-Nov-11
 Owner: Performance Demonstration Initiative Acquisition SW Type/Rev: N/A
 Category: Piping Analysis SW Type/Rev: N/A
 Hardware: N/A Scan Application: Manual
 Exam Surface: Outside

Ranges Demonstrated:

Date:	04-Feb-08
MinDiam:	2.00 MinThick: 0.280
MaxDiam:	50.00 MaxThick: 5.200
Material:	Dissimilar Metal
Examination:	Length Sizing
Access:	Single Sided
Weld Cond:	Ground Flush

Warehouse Electric Company
 NDE Certification Documented
 NDE Reviewed and Approved
 Reviewed by: PJA / V-10-10
 NDE Level III: PJA / 12-09-10
 ISO 9001:2008



Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-10; Revision: C; Addenda: 1

PDI Generic Procedure for the Ultrasonic Examination of Dissimilar Metal Welds

PDQS Rev:	1	Date of Issue:	01-Nov-11
Owner:	Performance Demonstration Initiative	Acquisition SW Type/Rev:	N/A
Category:	Piping	Analysis SW Type/Rev:	N/A
Hardware:	N/A	Scan Application:	Manual
		Exam Surface:	Outside

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.

When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved.

Tolerances for field applications as follows:

Diameter: Lower: .500" can be subtracted from the minimum diameter demonstrated.

Upper: Diameters greater than 24" need not be demonstrated

Thickness: Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic.
25% of the minimum thickness demonstrated for dissimilar metal welds.

Upper: 1.000" can be added to the maximum thickness demonstrated for ferritic material.

0.500" can be added to the maximum thickness demonstrated for austenitic material.

25% of the maximum thickness demonstrated for dissimilar metal welds.

This candidate has met the practical requirements of Appendix VII: Yes

Comments: 1 See procedure and attached Tables 1 and 2 for qualified search unit/instrument combinations and settings.

2 This Procedure/Candidate is only qualified for examinations on components with tapered configurations that are represented within the PDI sample inventory and meet the tolerances defined within the procedure

3 Candidates qualified to revision A and B of this procedure are qualified to use this revision.

4 The PDI Dissimilar Metal Weld Mock-up Criteria document may be used in conjunction with this procedure to address configurations which are not represented in the PDI sample inventory.

Limitations: 1 This procedure/candidate is not qualified for examinations performed from the cast stainless steel side of a component.

2 This procedure/candidate is not qualified for through wall sizing.

3 This procedure/candidate is not qualified for examinations where the ultrasound is required to propagate through an adjacent Austenitic weld prior to impinging on the dissimilar metal weld. The PDI 711 series sample is an example of this configuration.

4 Examination of safe-end replacement configurations, identified as 706 and 707 series configurations in the PDI Program are qualified.

5 This procedure/candidate is qualified for examination from both single and dual sided access as applicable.

Westinghouse Electric Company
NDE Certification Documentation

Reviewed and Approved

NDE Level III: JPM / 10-10-14

ISQA: SA / 12-11-14

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 08-Apr-14
 PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-10; Revision: C; Addenda: 1

PDI Generic Procedure for the Ultrasonic Examination of Dissimilar Metal Welds

PDQS Rev: 1	Performance Demonstration Initiative	Date of Issue: 01-Nov-11
Owner:	Piping	Acquisition SW Type/Rev: N/A
Category:	N/A	Analysis SW Type/Rev: N/A
Hardware:		Scan Application: Manual
		Exam Surface: Outside

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

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Performance Demonstration Initiative
 Supervisor/Level III

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Performance Demonstration Initiative
 Piping Project Manager

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: MM / 12-20-14
 ISOA: SD / 12-19-14

Performance Demonstration Initiative Program
 In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Detail of Qualifications

ID#: 066-48-8453

Candidate: Joseph P. Serth

Procedure: PDI-UT-2; Revision: B; Addenda: 0
 PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds

PDQS Rev:	0	Date of Issue:	26-Feb-00
Owner:	Performance Demonstration Initiative	Analysis SW Type/Rev:	N/A
Hardware:	N/A	Operator SW Type/Rev:	N/A
Category:	Piping	Scan Application:	Manual

Ranges Demonstrated:

Date:	02-Jul-00	Min Thk:	2.000	Max Thk:	0.237
Min Diam:	36.000	Min Thk:	36.000	Max Thk:	2.625
Material:	Austenitic without IGSCC				
Examination:	Detection				
Access:	Double Sided				
Weld Cond:	Ground Flush				
Weld Cond:	Flat Top				
Access:	Single Sided				
Weld Cond:	Ground Flush				
Weld Cond:	Flat Top				
Examination:	Length Sizing				
Access:	Double Sided				
Weld Cond:	Ground Flush				
Weld Cond:	Flat Top				

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Detail of Qualifications

Candidate: Joseph P. Serth ID#: 066-48-8453

Procedure: PDI-UT-2; Revision: B; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds

PDQS Rev: 0 Date of Issue: 26-Feb-00
Owner: Performance Demonstration Initiative Analysis SW Type/Rev: N/A
Hardware: N/A Operator SW Type/Rev: N/A
Category: Piping Scan Application: Manual

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.

When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved.

Tolerances for field applications as follows:

Diameter:

Lower: The minimum diameter demonstrated.

Upper: Diameters greater than 24" need not be demonstrated.

Thickness:

Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic

Upper: 1.000" can be added to the maximum thickness demonstrated for ferritic material.

0.500" can be added to the maximum thickness demonstrated for austenitic material.

This candidate has met the practical requirements of Appendix VII: Yes

Comments:

- 1 This procedure/candidate is not qualified to detect axially orientated flaws located on the far side of the weld where access is limited to one side and the ultrasonic beam is required to propagate through austenitic weld material.
- 2 This procedure/candidate is not qualified to length size flaws where the access is limited to one side of the weld and the ultrasonic beam is required to propagate through austenitic weld material.
- 3 This procedure/candidate is only qualified to length size flaws orientated in the circumferential direction.
- 4 See attached letter for austenitic single side access endorsement clarification. ****

Printed: 28-Feb-00
PDQS No: 529
04121401

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Detail of Qualifications

Candidate: **Joseph P. Serth** ID#: **066-48-8453**

Procedure: **PDI-UT-2; Revision: B; Addenda: 0**

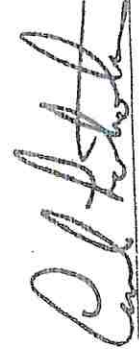
PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds

PDQS Rev: 0	Date of Issue: 26-Feb-00
Owner: Performance Demonstration Initiative	Analysis SW Type/Rev: N/A
Hardware: N/A	Operator SW Type/Rev: N/A
Category: Piping	Scan Application: Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

 Date 2/28/00

Carl L. Latola
Performance Demonstration Initiative
Piping and Bolting Supervisor/Level III

 Date 2/28/00

F. L. Becker
Performance Demonstration Initiative
Administrator



This document is not authentic without a raised seal.

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 16-Dec-14

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-2; Revision: C; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds

PDQS Rev: 2
 Owner: Performance Demonstration Initiative
 Category: Piping
 Hardware: N/A
 Date of Issue: 01-Nov-11
 Acquisition SW Type/Rev: N/A
 Analysis SW Type/Rev: N/A
 Scan Application: Manual

Ranges Demonstrated:

Date:	27-Aug-01
MinDiam:	4.000
MaxDiam:	36.000
MinThick:	0.237
MaxThick:	2.625
Material:	Austenitic with IGSCC
Examination:	Detector
Access:	Double Sided
Weld Cond:	Ground Flush
Weld Cond:	Flat Top
Weld Cond:	As Welded
Access:	Single Sided
Weld Cond:	Ground Flush
Weld Cond:	Flat Top
Weld Cond:	As Welded

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PM / 12-20-13
 ISQA: GS / 12-19-14

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Performance Demonstration Initiative Program

Printed: 16-Dec-14

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

FDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-2; Revision: C; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds

FDQS Rev:	2	Date of Issue:	01-Nov-11
Owner:	Performance Demonstration Initiative	Acquisition SW Type/Rev:	N/A
Category:	Piping	Analysis SW Type/Rev:	N/A
Hardware:	N/A	Scan Application:	Manual

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.
 When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved.

Tolerances for field applications as follows:

Diameter:

- Lower: 0.500" can be subtracted from the minimum diameter demonstrated.
- Upper: Diameters greater than 24" need not be demonstrated.

Thickness:

- Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic.
- Upper: 1.000" can be added to the maximum thickness demonstrated for ferritic material.
- 0.500" can be added to the maximum thickness demonstrated for austenitic material.

This candidate has met the practical requirements of Appendix VII: No

Comments:

- 1 This procedure/candidate is not qualified to detect axially orientated flaws located on the fir side of the weld where access is limited to one side and the ultrasonic beam is required to propagate through austenitic weld material.
- 2 The austenitic single side qualifications, documented on this summary, demonstrate application of best available technology, but do not meet the requirements of 10CFR 50.55a(b)(2) (xvi) (B).

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: JPW / 12-29-14
 ISOA: ISA / 12-19-14



Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 16-Dec-14
PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529
Procedure: PDI-UT-2; Revision: C; Addenda: 0
PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds

PDQS Rev: 2	Performance Demonstration Initiative	Date of Issue: 01-Nov-11
Owner:	Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Piping		Analysis SW Type/Rev: N/A
Hardware: N/A		Scan Application: Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

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M. Orihuea

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PM / 12-16-19
 ISOA: SA / 12-19-19

Performance Demonstration Initiative
 Supervisor/Level III

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John M Langevin

Performance Demonstration Initiative
 Piping Project Manager



Performance Demonstration Initiative Program

Printed: 26-Sep-13

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDOS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-2; Revision: E; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds

PDOS Rev: 2
 Owner: Performance Demonstration Initiative
 Category: Piping
 Hardware: N/A
 Date of Issue: 13-Feb-13
 Acquisition SW Type/Rev: N/A
 Analysis SW Type/Rev: N/A
 Scan Application: Manual

Ranges Demonstrated:

Date:	04-Oct-10	MinThick:	0.257
MinDiam:	2.000	MaxThick:	2.625
MaxDiam:	36.000		
Material:	Austenitic with IGSCC		
Examination:	Length Sizing		
Access:	Double Sided		
Weld Cond:	Ground Flush		
Weld Cond:	Flat Top		
Weld Cond:	As Welded		

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PM / 17-10-19
 ISOA: SA / 13-10-19



PERFORMANCE DEMONSTRATION PROGRAM

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 26-Sep-13
PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529
Procedure: PDI-UT-2; Revision: E; Addenda: 0
PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds

PDQS Rev: 2 Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative Acquisition SW Type/Rev: N/A
Category: Piping Analysis SW Type/Rev: N/A
Hardware: N/A Scan Application: Manual

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.
When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved.

Tolerances for field applications as follows:

Diameter:
Lower: 0.500" can be subtracted from the minimum diameter demonstrated.
Upper: Diameters greater than 24" need not be demonstrated.

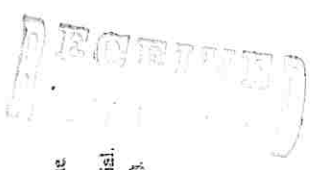
Thickness:
Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic.
Upper: 1.000" can be added to the maximum thickness demonstrated for ferritic material.
0.500" can be added to the maximum thickness demonstrated for austenitic material.

This candidate has met the practical requirements of Appendix VII: No

- Comments:**
- See procedure and attached Tables 1 and 2 for qualified search unit/instrument combinations and settings.
 - Candidates who have received qualifications utilizing Revision A, B, or C of this procedure are also qualified to use Revision E. Revision D of this procedure was never issued.
 - The Appendix VIII demonstration requirements applicable to this procedure do not contain provisions to demonstrate sizing of axial flaws. When required, the techniques described for circumferential flaw sizing shall be used for axial flaw sizing.
 - This is the first issuance of an IGSCC length sizing PDQS for this candidate.

- Limitations:**
- This procedure/candidate is not qualified to detect axially orientated flaws located on the far side of the weld where access is limited to one side and the ultrasonic beam is required to propagate through austenitic weld material.
 - This procedure/candidate is not qualified to length size flaws where the access is limited to one side of the weld and the ultrasonic beam is required to propagate through austenitic weld material.
 - The austenitic single side qualifications, documented on this summary, demonstrate application of best available technology, but do not meet the requirements of 10CFR 50.55a(b)(2)(xvii)(B).

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: GN / 12-29-19
ISOA: GN / 12-19-19



Performance Demonstration Initiative Program

Printed: 26-Sep-13

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-2; Revision: E; Addenda: 0

PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds

PDQS Rev:	2	Date of Issue:	13-Feb-13
Owner:	Performance Demonstration Initiative	Acquisition SW Type/Rev:	N/A
Category:	Piping	Analysis SW Type/Rev:	N/A
Hardware:	N/A	Scan Application:	Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: JPM / 12-20-13
 ISQA: SN / 12-19-13

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Performance Demonstration Initiative
 Supervisor/Level III

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Performance Demonstration Initiative
 Piping Project Manager



Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII



PERFORMANCE DEMONSTRATION PROGRAM

Specific Details of Qualifications

Candidate: **Joseph P. Serth** ID#: **529**

Procedure: **PDI-UT-3; Revision: C; Addenda: 0**

PDI Generic Procedure for Ultrasonic Through Wall Sizing in Pipe Welds

PDQS Rev: 2 Date of Issue: 13-Feb-13
 Owner: Performance Demonstration Initiative Acquisition SW Type/Rev: N/A
 Category: Piping Analysis SW Type/Rev: N/A
 Hardware: N/A Scan Application: Manual

Ranges Demonstrated:

Date: 06-Jan-05 MinDiam: 4.000 MaxDiam: 36.000 MinThick: 0.337 MaxThick: 2.625 Material: Austenitic with K5SC Examination: Through Wall Sizing Access: Double Sided Weld Cond: Ground Flush	Date: 06-Jan-05 MinDiam: 4.000 MaxDiam: 50.000 MinThick: 0.337 MaxThick: 5.850 Material: Ferritic Examination: Through Wall Sizing Access: Double Sided Weld Cond: Ground Flush
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 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: JP Serth / 12-18-13
 ISQA: SA / 12-18-13



Performance Demonstration Initiative Program

Printed: 18-Dec-13

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-3; Revision: C; Addenda: 0

PDI Generic Procedure for Ultrasonic Through Wall Sizing in Pipe Welds

PDQS Rev: 2	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Piping	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved

When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved

Tolerances for field applications as follows:

Diameter:

Lower: 0.500" can be subtracted from the minimum diameter demonstrated.

Upper: Diameters greater than 24" need not be demonstrated.

Thickness:

Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic.

Upper: 1.000" can be added to the maximum thickness demonstrated for ferritic material.

0.500" can be added to the maximum thickness demonstrated for austenitic material.

This candidate has met the practical requirements of Appendix VII. No

Comments: 1 The Appendix VIII demonstration requirements applicable to this procedure do not contain provisions to demonstrate sizing of axial flaws. When required, the techniques described for circumferential flaw sizing shall be used for axial flaw sizing.

2 See procedure and attached Tables 1 and 2 for qualified search unit/instrument combinations and settings.

3 Candidates who have received qualifications utilizing Revision A or B of this procedure are also qualified to use Revision C.

Limitations: 1 This procedure/candidate is not qualified to depth size flaws located on the far side of the weld where the ultrasonic beam is required to propagate through weld material. Confirmation of flaw size from the opposite direction, when possible is acceptable.

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PM / 12-20-19
 ISOA: SA / 12-19-19

Performance Demonstration Initiative Program

Printed: 18-Dec-13

PERFORMANCE DEMONSTRATION PROGRAM

PDQS No: 529

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-3; Revision: C; Addenda: 0

PDI Generic Procedure for Ultrasonic Through Wall Sizing in Pipe Welds

PDQS Rev: 2	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Piping	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

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Performance Demonstration Initiative
Supervisor/Level III

Westinghouse Electric Company
NDE Certification Documentation

Reviewed and Approved
NIDE Level III: JPM / 12-20-19
ISOA: SA 12-18-19

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Performance Demonstration Initiative
Piping Project Manager



Performance Demonstration Initiative Program

Printed: 18-Oct-13

PDQS No: 529

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Detail of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-5; Revision: B; Addenda: 0

PDI Generic Procedure for Straight Beam Ultrasonic Examination of Bolts and Studs

PDQS Rev: 1	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Bolting	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

Ranges Demonstrated:

Date:	07-Feb-00
Minimum Metal Path Demonstrated:	0.180
Maximum Metal Path Demonstrated:	57,700
Bore Hole Endorsement?	No
Material:	Ferritic
Access:	Top
Examination:	Detection

Washington Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: JP Serth /12-18-13
 ISOA: GSN /12-19-13

Specific Detail of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-S; Revision: B; Addenda: 0

PDI Generic Procedure for Straight Beam Ultrasonic Examination of Bolts and Studs

PDQS Rev: 1	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Boiling	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

Tolerances for field applications as follows:

Demonstrations performed on calibration standards that meet the requirements of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code; Section XI; Appendix VIII; Supplement 8; 95 edition, 96 addenda or later, can be utilized to expand the demonstrated ranges listed within this document.

Comments:

- 1 See procedure and attached Table 1 for a list of qualified search unit/instrument combinations.
- 2 Appendix A (Bore Hole Endorsement) was qualified on 21 August 1995.
- 3 Candidates who have received qualifications utilizing Revision A of this procedure are also qualified to use Revision B.

Limitations:

- 1 Only candidates with a full bore hole qualification or a candidate with a bore hole endorsement can utilize Appendix A of this procedure.
- 2 Appendix A of this procedure can only be utilized to evaluate previously recorded indications found with a straight beam.

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PM / 12-20-13
 ISQA: SA / 12-19-13



PERFORMANCE DEMONSTRATION PROGRAM

Performance Demonstration Initiative Program

Printed: 18-Oct-13

PDQS No: 529

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Detail of Qualifications:

Candidate: Joseph P. Serth ID#: 529
Procedure: PDI-UT-5; Revision: B; Addenda: 0
PDI Generic Procedure for Straight Beam Ultrasonic Examination of Bolts and Studs

PDQS Rev: 1	Performance Demonstration Initiative	Date of Issue: 13-Feb-13
Owner:	Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Bolting		Analysis SW Type/Rev: N/A
Hardware: N/A		Scan Application: Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 Date: 12-20-19
 NDE Level III: *[Signature]*
 ISOA: *[Signature]*

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Performance Demonstration Initiative
 RPV, CRDM, & Bolting Supervisor/Level III

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Performance Demonstration Initiative
 RPV, CRDM, & Bolting Project Manager



Performance Demonstration Initiative Program
 In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 27-Jun-14
 PQOS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529
Procedure: PDI-UT-6; Revision: F; Addenda: 0
PDI Generic Procedure for the Manual Ultrasonic Examination of Reactor Pressure Vessel Welds

PQOS Rev: 2
 Owner: Performance Demonstration Initiative
 Category: RPV
 Hardware: N/A
 Date of Issue: 27-Jun-14
 Acquisition SW Type/Rev: N/A
 Analysis SW Type/Rev: N/A
 Scan Application: Manual

Ranges Demonstrated:

Examination volume is the inner 15% of the vessel thickness from the clad, base material interface per ASME Appendix VIII		Test Date:	12-Sep-02
Material:	Ferritic with SMAW as Ground, Cladding	Thickness Range:	N/A to 6.88
Surface:	Outer Diameter	Thickness Range:	N/A to 6.88
Access:	Dual Sided		
Examination:	Detection		
Access:	Single Sided		
Examination:	Detection		

Examination volume is the outer 85% of the vessel thickness per ASME Appendix VIII		Test Date:	12-Sep-02
Material:	Ferritic with SMAW as Ground, Cladding	Thickness Range:	2.00 to 6.88
Surface:	Outer Diameter	Thickness Range:	2.00 to 6.88
Access:	Dual Sided		
Examination:	Detection		
Access:	Single Sided		
Examination:	Detection		

Westinghouse Electric Company
 ASME Certification Documentation
 Reviewed and Approved
 NDE Level III: GSN / 1-9-21
 ISOA: GAO 01-04-2021

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-6; Revision: F; Addenda: 0

PDI Generic Procedure for the Manual Ultrasonic Examination of Reactor Pressure Vessel Welds

PDQS Rev: 2	Date of Issue: 27-Jun-14
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: RPV	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

Acceptance Criteria: Inner 15% of the vessel thickness from the clad, base material interface per ASME Appendix VIII

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.

When "Through Wall Extension" is indicated, the 0.150 RMS acceptance criteria per the PDI Program Description has been achieved.

Acceptance Criteria: Outer 85% of the vessel thickness per ASME Appendix VIII

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.

When "Through Wall Extension" is indicated, the 0.250 RMS and 0.7 Slope acceptance criteria per the PDI Program Description has been achieved.

This candidate has met the practical requirements of Appendix VII: No

10 CFR 50.55a (b)(2)(xv)(G)(1),(2) and 10CFR50.55a(b)(2)(xvi)(A) requirements

Comments:

- 1 Single Side Endorsement has been issued in accordance with EPRI Document 10011037, for implementation of 10 CFR 50.55a (b)(2)(xv)(G)(1),(2) and 10CFR50.55a(b)(2)(xvi)(A) requirements for ferritic vessel examinations.
- 2 This procedure includes the same essential variables as specified in PDI-UT-6 rev E, with any additional qualified equipment listed on Tables 1 and 2.
- 3 The specimen sample set used for this procedure qualification demonstrated a thickness of 6.88" (excluding clad), with a maximum field applicable thickness of 7.64", per Appendix VIII "90% of Maximum Thickness allowance".
- 4 Maximum range of the inner 15% of the vessel thickness from the clad, base material interface examination volume is based on the specimen set thickness including the "90% of Maximum Thickness" allowance per Appendix VIII.
- 5 See Tables 1 & 2 for combinations of instrument, search unit and pulse tuning controls that have been qualified.
- 6 This revision replaces revision E of this procedure.

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: C5W 1-9-24
TSCA: GAN 01-04-2024

Limitations:

- 1 This procedure is qualified for flaw detection only.

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 27-Jun-14
PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-6; Revision: F; Addenda: 0

PDI Generic Procedure for the Manual Ultrasonic Examination of Reactor Pressure Vessel Welds

PDQS Rev: 2	Performance Demonstration Initiative	Date of Issue: 27-Jun-14
Owner:	RPV	Acquisition SW Type/Rev: N/A
Category:	N/A	Analysis SW Type/Rev: N/A
Hardware:	N/A	Scan Application: Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: CSW / 1-14-21
ISQA: CAJ 01-09-2021

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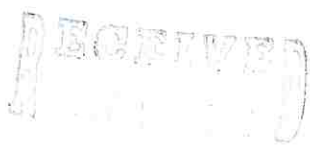


Performance Demonstration Initiative
RPV, CRDM, & Bolting Supervisor/Level III



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Performance Demonstration Initiative
RPV, CRDM, & Bolting Project Manager



Specific Details of Qualifications

Candidate: Joseph P. Serth

ID#: 529

Procedure: PDI-UT-7; Revision: F; Addenda: 0

PDI Generic Procedure for the Manual Ultrasonic Through Wall and Length Sizing of Ultrasonic Indications in Reactor Pressure Vessel Welds

PDQS Rev: 2

Date of Issue: 27-Jun-14

Owner: Performance Demonstration Initiative

Acquisition SW Type/Rev: N/A

Category: RPV

Analysis SW Type/Rev: N/A

Hardware: N/A

Scan Application: Manual

Ranges Demonstrated:

Examination volume is the inner 15% of the vessel thickness from the clad, base material interface per ASME Appendix VIII

Material: Ferritic with SMAW as Ground, Cladding	TestDate: 17-Sep-02
Surface: Outer Diameter	
Access: Dual Sided	
Examination: Length Sizing	Thickness Range: N/A to 6.88
Examination: Through Wall Extension	Thickness Range: N/A to 6.88
Access: Single Sided	
Examination: Length Sizing	Thickness Range: N/A to 6.88
Examination: Through Wall Extension	Thickness Range: N/A to 6.88

Examination volume is the outer 85% of the vessel thickness per ASME Appendix VIII

Material: Ferritic with SMAW as Ground, Cladding	TestDate: 17-Sep-02
Surface: Outer Diameter	
Access: Dual Sided	
Examination: Through Wall Extension	Thickness Range: 2.00 to 6.88
Examination: Length Sizing	Thickness Range: 2.00 to 6.88
Access: Single Sided	
Examination: Through Wall Extension	Thickness Range: 2.00 to 6.88
Examination: Length Sizing	Thickness Range: 2.00 to 6.88

Westinghouse Electric Company
NEDC Certification Documentation

Reviewed and Approved:

NDE Level III: CSW / J-9-21

ISQA: GAS / 01-04-2021



Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-7; Revision: F; Addenda: 0

PDI Generic Procedure for the Manual Ultrasonic Through Wall and Length Sizing of Ultrasonic Indications in Reactor Pressure Vessel Welds

PDQS Rev: 2	Date of Issue: 27-Jun-14
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: RPV	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

Acceptance Criteria: Inner 15% of the vessel thickness from the clad, base material interface per ASME Appendix VIII

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.
 When "Through Wall Extension" is indicated, the 0.150 RMS acceptance criteria per the PDI Program Description has been achieved.

Acceptance Criteria: Outer 85% of the vessel thickness per ASME Appendix VIII

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.
 When "Through Wall Extension" is indicated, the 0.250 RMS and 0.7 Slope acceptance criteria per the PDI Program Description has been achieved.

This candidate has met the practical requirements of Appendix VII: No

Comments:

- 1 Single Side Indorsement has been issued in accordance with EPRI Document 1001037, for implementing ferritic vessel examinations.
- 2 This procedure includes the same essential variables as specified in PDI-UT-7 rev E, with any additional qualified equipment listed on Tables 1 and 2.
- 3 The specimen sample set used for this procedure qualification demonstrated a thickness of 6.88" (excluding clad), with a maximum field applicable thickness of 7.64", per Appendix VIII "90% of Maximum Thickness allowance".
- 4 Maximum range of the inner 15% of the vessel thickness from the clad, base material interface examination volume is based on the specimen set thickness including the "90% of Maximum Thickness" allowance per Appendix VIII.
- 5 See Tables 1 & 2 for combinations of instrument, search unit and pulse tuning controls that have been qualified.
- 6 This revision replaces revision E of this procedure.

Limitations:

- 1 This procedure is qualified for flaw sizing only.

Washington Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: CSW 1-8-21
 ISO-9001:2015 01-04-2021



Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-7; Revision: F; Addenda: 0

PDI Generic Procedure for the Manual Ultrasonic Through Wall and Length Sizing of Ultrasonic Indications in Reactor Pressure Vessel Welds


PDQS Rev: 2	Date of Issue: 27-Jun-14
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: RPV	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: CSW / 1-8-21
 TPO: GA 01-04-2021

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Performance Demonstration Initiative
 RPV, CRDM, & Bolting Supervisor/Level III



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Performance Demonstration Initiative
 RPV, CRDM, & Bolting Project Manager





Performance Demonstration Initiative Program

PERFORMANCE DEMONSTRATION PROGRAM

Printed: 08-Apr-14
PDQS No: 529

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-8; Revision: B; Addenda: 0

PDI GENERIC PROCEDURE FOR THE ULTRASONIC EXAMINATION OF WELD OVERLAP/AUSTENITIC PIPING WELDS

PDQS Rev:	1	Date of Issue:	01-Nov-11
Owner:	Performance Demonstration Initiative	Acquisition SW Type/Rev:	N/A
Category:	Overlay	Analysis SW Type/Rev:	N/A
Hardware:	N/A	Scan Application:	Manual

Ranges Demonstrated:

Date:	24-Jan-08
MinDiam:	4.00
MaxDiam:	28.00
MinThick:	0.20
MaxThick:	1.10
Material:	Austenitic
Examination:	Overlay
Access:	Dual
Weld Crown Condition:	
	Short Range Roughness \leq 250 RMS
	Long Range Roughness \leq 1/32 Gap
	Under Search Unit For Entire Length of Scan

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: P.M.A. / 12-20-19
 ISO: SA / 12-19-19



Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-8; Revision: B; Addenda: 0

PDI GENERIC PROCEDURE FOR THE ULTRASONIC EXAMINATION OF WELD OVERLAID AUSTENITIC PIPING WELDS

PDQS Rev: 1	Date of Issue: 01-Nov-11
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Overlay	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

Tolerances for field applications as follows:

Diameter:

Pipe diameters within a range of 0.9 to 1.5 times the nominal diameter demonstrated shall be considered equivalent.
Diameters greater than 24" need not be demonstrated.

Thickness:

Lower: 0.100" can be subtracted from the minimum overlay thickness demonstrated.
Upper: 0.250" can be added to the maximum overlay thickness demonstrated.

This candidate has met the practical requirements of Appendix VII. No

Comments:

1 Candidates qualified utilizing earlier revisions of this procedure are not qualified to use this revision.

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: JAM / 11-26-19
ISQA: SN / 12-18-19





STEAM POWER
RESEARCH INITIATIVE

Performance Demonstration Initiative Program

Printed: 08-Apr-14

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-8; Revision: B; Addenda: 0

PDI GENERIC PROCEDURE FOR THE ULTRASONIC EXAMINATION OF WELD OVERLAP AUSTENITIC PIPING WELDS

PDQS Rev:	1	Date of Issue:	01-Nov-11
Owner:	Performance Demonstration Initiative	Acquisition SW Type/Rev:	N/A
Category:	Overlay	Analysis SW Type/Rev:	N/A
Hardware:	N/A	Scan Application:	Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Westinghouse Electric Company
NDE Certification Documentation

Reviewed and Approved

NDE Level III: *JPM* / 12-20-19

ISQA: *SSS* / 12-18-19

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Performance Demonstration Initiative
Piping Project Manager





Electric Power Research Institute

Performance Demonstration Initiative Program

Printed: 18-Dec-13

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-8; Revision: D; Addenda: 0
PDI GENERIC PROCEDURE FOR THE ULTRASONIC EXAMINATION OF WELD OVERLAIN SIMILAR AND DISSIMILAR METAL WELDS

PDQS Rev: 2 Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative Acquisition SW Type/Rev: N/A
Category: Overlay Analysis SW Type/Rev: N/A
Hardware: N/A Scan Application: Manual

Ranges Demonstrated:

Date:	03-Jan-06
MinDiams:	2.00
MaxDiams:	28.00
MinThick:	0.15
MaxThick:	1.10
Material:	Austenitic
Examination:	Overlay
Access:	Dual
Weld Crown Condition:	
	Short Range Roughness <=250 RMS
	Long Range Roughness <=1/32 Gap
	Under Search Unit For Entire Length of Scan

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: R.N. / 12-20-11
ISOA: GSA / 12-19-11

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-8; Revision: D; Addenda: 0

PDI GENERIC PROCEDURE FOR THE ULTRASONIC EXAMINATION OF WELD OVERLAP SIMILAR AND DISSIMILAR METAL WELDS

PDQS Rev: 2	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Overlay	Analysis SW Type/Rev: N/A
Hardware: N/A	Scat Application: Manual

Tolerances for field applications as follows:

Diameter:

Pipe diameters within a range of 0.9 to 1.5 times the nominal diameter demonstrated shall be considered equivalent.
Diameters greater than 24" need not be demonstrated

Thickness:

Lower: 0.100" can be subtracted from the minimum overlay thickness demonstrated
Upper: 0.250" can be added to the maximum overlay thickness demonstrated

This candidate has met the practical requirements of Appendix VII: No

Comments: 1 The Appendix VIII demonstration requirements applicable to this procedure do not contain provisions to demonstrate sizing of axial flaws. When required, the techniques described for circumferential flaw sizing shall be used for axial flaw sizing.
2 See Table 1 for qualified search unit instrument combinations

Limitations: 1 Candidates qualified utilizing Revision A of this procedure are not qualified to use this revision.
2 This procedure/candidate is not qualified to depth size flaws detected in overlay material < 0.100" in thickness
3 This procedure/candidate is not qualified to depth size the ligament of weld overlay fabrication flaws in overlays < 0.100" in thickness
4 Candidates qualified to revisions B and C of this procedure are qualified to use this revision.

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: JPM / 12-26-13
ISOA: SSS / 12-19-14



PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: WDI-STD-119-A; Revision: 2; Addenda: 0

Generic Procedure for Ultrasonic Examination of Dissimilar Metal Nozzle to Safe- End Welds and Dissimilar Metal Piping Welds Using the IntraSpect Automated Imaging System.

PDQS Rev: 2
 Owner: WesDyne International LLC
 Category: Piping
 Hardware: IUX DAS Model 325060
 Date of Issue: 13-Feb-13
 Acquisition SW Type/Rev: IntraSpect, Version 6.8
 Analysis SW Type/Rev: IntraSpect, Version 6.8
 Scan Application: Fully-Automatic
 Exam Surface: Outside

Ranges Demonstrated:

Date:	01-Feb-06
Min Diam:	2.00
Max Diam:	50.00
Min Thick:	0.280
Max Thick:	5.200
Material:	Dissimilar Metal
Examination:	Detection
Access:	Single Sided
Weld Cond:	Ground Flush
Examination:	Length Sizing
Access:	Single Sided
Weld Cond:	Ground Flush

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PJA / 12-20-14
 ISQA: GSA / 12-18-14





PERFORMANCE DEMONSTRATION PROGRAM

Performance Demonstration Initiative Program

Printed: 18-Dec-13

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: PDI-UT-8; Revision: D; Addenda: 0

PDI GENERIC PROCEDURE FOR THE ULTRASONIC EXAMINATION OF WELD OVERLAID SIMILAR AND DISSIMILAR METAL WELDS

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved

NDE Level III: JP Serth / 12-25-13
ISQA: SN / 12-19-14

PDQS Rev: 2	Date of Issue: 13-Feb-13
Owner: Performance Demonstration Initiative	Acquisition SW Type/Rev: N/A
Category: Overlay	Analysis SW Type/Rev: N/A
Hardware: N/A	Scan Application: Manual

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

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Supervisor/Level III



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Performance Demonstration Initiative
Piping Project Manager

Performance Demonstration Initiative Program

Printed: 18-Dec-13

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: WDI-STD-119-A; Revision: 2; Addenda: 0

Generic Procedure for Ultrasonic Examination of Dissimilar Metal Nozzle to Safe-End Welds and Dissimilar Metal Piping Welds Using the IntraSpect Automated Imaging System.

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: J.P.S. / 11-20-13
ISQA: SA / 12-18-13

PDQS Rev: 2
Date of Issue: 13-Feb-13
Owner: WesDyne International LLC
Acquisition SW Type/Rev: IntraSpect, Version 6.8
Category: Piping
Analysis SW Type/Rev: IntraSpect, Version 6.8
Hardware: VUX DAS Model 325060
Scan Application: Fully-Automatic
Exam Surface: Outside

The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Digitally signed by Mike Orihuela
DN: cn=Mike Orihuela,
o=Supervisor Level III,
ou=Performance Demonstration,
email=morihuela@epri.com, c=US
Date: 2013.12.27 10:25:30 -05'00'

Performance Demonstration Initiative
Supervisor/Level III

Digitally signed by John M Langevin
DN: cn=John M Langevin, o=PDI,
ou=NDE,
email=jlangevi@epri.com, c=US
Date: 2014.03.14 19:39:35 -04'00'

Performance Demonstration Initiative
Piping Project Manager



Performance Demonstration Initiative Program

Printed: 18-Dec-13

PDOS No: 529

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: WDI-STD-119-A; Revision: 2; Addenda: 0

Generic Procedure for Ultrasonic Examination of Dissimilar Metal Nozzle to Safe-End Welds and Dissimilar Metal Piping Welds Using the IntraSpect Automated Imaging System.

PDOS Rev: 2	Date of Issue: 13-Feb-13
Owner: WestDyne International LLC	Acquisition SW Type/Rev: IntraSpect, Version 6.8
Category: Piping	Analysis SW Type/Rev: IntraSpect, Version 6.8
Hardware: FLUX DAS Model 325060	Scan Application: Fully-Automatic
	Exam Surface: Outside

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.

When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved.

Tolerances for field applications as follows:

- | | |
|-------------------|-----------------------------------------------------------------------------------------------------------|
| Diameter: | Lower: .500" can be subtracted from the minimum diameter demonstrated |
| | Upper: Diameters greater than .24" need not be demonstrated. |
| Thickness: | Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic. |
| | 25% of the minimum thickness demonstrated for dissimilar metal welds. |
| | Upper: 1.000" can be added to the maximum thickness demonstrated for ferritic material. |
| | 0.500" can be added to the maximum thickness demonstrated for austenitic material. |
| | 25% of the maximum thickness demonstrated for dissimilar metal welds. |

This candidate has met the practical requirements of Appendix VII: Yes

Comments: 1 See procedure and attached Table 1 for qualified search unit/instrument combinations.

2 The Appendix VIII demonstration requirements applicable to this procedure do not contain provisions to demonstrate sizing of axial flaws. When required, the techniques described for circumferential flaw sizing shall be used for axial flaw sizing.

- Limitations:**
- 1 This procedure/candidate is not qualified for examinations performed from the cast stainless steel side of a component.
 - 2 This procedure/candidate is only qualified for examinations where full access across the weld and butter material can be obtained.
 - 3 This procedure/candidate is not qualified for examinations performed on tapered surfaces.
 - 4 This procedure/candidate is not qualified for examinations where the ultrasonic beam is required to propagate through an adjacent Austenitic weld prior to impinging on the dissimilar metal weld. The PDI 711 series sample is an example of this.
 - 5 Examination of safe-end replacement configurations, identified as 706 and 707 series configurations in the PDI Program, are qualified.

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: JP Serth / 12-10-13
 ISQA: GAN / 12-19-13

Performance Demonstration Initiative Program

In Accordance with the PDI Implementation of Section XI, Appendix VIII

Printed: 18-Dec-13

PDQS No: 529

Specific Details of Qualifications

Candidate: Joseph P. Serth ID#: 529

Procedure: WDI-STD-119-C; Revision: 0; Addenda: 0

Generic Procedure for Ultrasonic Examination of Piping Welds Using the IntraSpect Automated Imaging System

Westinghouse Electric Company
 NDE Certification Documentation
 Reviewed and Approved
 NDE Level III: PM / 12-26-13
 ISQA: SA / 12-19-13

PBQS Rev: 2
 Owner: WesDyne International LLC
 Category: Piping
 Hardware: IUX DAS Model 525060

Date of Issue: 13-Feb-13
 Acquisition SW Type/Rev: IntraSpect, Version 6.8
 Analysis SW Type/Rev: IntraSpect, Version 6.8
 Scan Application: Fully-Automatic

Date: 01-Feb-06		Data Collection and Analysis	
MinDiam:	6.000	MinThick:	0.432
MaxDiam:	36.000	MaxThick:	2.625
Material: Austenitic with IGSC			
Examination: Deflection		Material: Ferrite	
Access: Double Sided		Examination: Detection	
Weld Cond: Ground Flush		Access: Double Sided	
Weld Cond: Flat Top		Weld Cond: Ground Flush	
Weld Cond: As Welded		Weld Cond: Flat Top	
Access: Single Sided		Weld Cond: As Welded	
Weld Cond: Ground Flush		Access: Single Sided	
Weld Cond: As Welded		Weld Cond: Ground Flush	
Weld Cond: Flat Top		Weld Cond: Flat Top	
Examination: Length Sizing		Weld Cond: As Welded	
Access: Double Sided		Examination: Length Sizing	
Weld Cond: Flat Top		Access: Double Sided	
Weld Cond: As Welded		Weld Cond: As Welded	
Weld Cond: Ground Flush		Weld Cond: Flat Top	
Access: Single Sided		Weld Cond: Ground Flush	
Weld Cond: As Welded		Access: Single Sided	
Weld Cond: Flat Top		Weld Cond: As Welded	
Weld Cond: Ground Flush		Weld Cond: Flat Top	
Access: Double Sided		Weld Cond: Ground Flush	

Ranges Demonstrated:

Date: 01-Feb-06 Data Collection and Analysis
 MinDiam: 6.000 MinThick: 0.432
 MaxDiam: 50.000 MaxThick: 3.850

Performance Demonstration Initiative Program

Printed: 18-Dec-13

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: **Joseph P. Serth** ID#: **529**

Procedure: **WDI-STD-119-C; Revision: 0; Addenda: 0**

Generic Procedure for Ultrasonic Examination of Piping Welds Using the IntraSpect Automated Imaging System

PDQS Rev: 2	Date of Issue: 13-Feb-13
Owner: WesDyne International LLC	Acquisition SW Type/Rev: IntraSpect, Version 6.8
Category: Piping	Analysis SW Type/Rev: IntraSpect, Version 6.8
Hardware: HUX DAS Model 325060	Scan Application: Fully-Automatic

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved
NDE Level III: JPW / 12-25-19
ISQA: SN 12-19-19

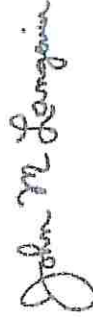
The above candidate has met the requirements of The Performance Demonstration Initiative's Implementation of The American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Appendix VIII, as stated in this document.

Digitally signed by Mike Orihuela
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Performance Demonstration Initiative
Supervisor/Level III

Digitally signed by John M Langevin
DN: cn=John M Langevin, o=PDI,
ou=NDE, email=jlangevi@epri.com,
c=US
Date: 2014.03.14 19:40:48 -04'00'



Performance Demonstration Initiative
Piping Project Manager





Performance Demonstration Initiative Program

Printed: 18-Dec-13

PERFORMANCE DEMONSTRATION PROGRAM

In Accordance with the PDI Implementation of Section XI, Appendix VIII

PDQS No: 529

Specific Details of Qualifications

Candidate: **Joseph P. Serth** ID#: **529**

Procedure: **WDI-STD-119-C; Revision: 0; Addenda: 0**

Generic Procedure for Ultrasonic Examination of Piping Welds Using the IntraSpect Automated Imaging System

Westinghouse Electric Company
NDE Certification Documentation
Reviewed and Approved

NDE Level III: MM / 12-10-13
ISQA: SA / 12-10-13

PDQS Rev:	2	Date of Issue:	13-Feb-13
Owner:	WesDyne International LLC	Acquisition SW Type/Rev:	IntraSpect, Version 6.8
Category:	Piping	Analysis SW Type/Rev:	IntraSpect, Version 6.8
Hardware:	INDX DAS Model 325060	Scan Application:	Fully-Automatic

When "Length Sizing" is indicated, the 0.750 RMS acceptance criteria per the PDI Program Description has been achieved.

When "Through Wall Sizing" is indicated, the 0.125 RMS acceptance criteria per the PDI Program Description has been achieved.

Tolerances for field applications as follows:

Diameter:

Lower: 0.500" can be subtracted from the minimum diameter demonstrated

Upper: Diameters greater than 24" need not be demonstrated.

Thickness:

Lower: 0.100" can be subtracted from the minimum thickness demonstrated for both austenitic and ferritic.

Upper: 1.000" can be added to the maximum thickness demonstrated for ferritic material.

0.500" can be added to the maximum thickness demonstrated for austenitic material.

This candidate has met the practical requirements of Appendix VII: Yes

Comments: 1 See procedure and attached Table 1 for qualified search unit/instrument combinations and settings.

2 The Appendix VIII demonstration requirements applicable to this procedure do not contain provisions to demonstrate sizing of axial flaws. When required, the techniques described for circumferential flaw sizing shall be used for axial flaw sizing.

Limitations: 1 This procedure/candidate is not qualified to detect axially orientated flaws located on the far side of the weld where access is limited to one side.

2 This procedure/candidate is not qualified to length size flaws where the access is limited to one side of the weld and the ultrasonic beam is required to propagate through austenitic weld material.

3 The austenitic single side qualifications, documented on this summary, demonstrate application of best available technology, but do not meet the requirements of 10CFR 50.55a(b)(2)(xvii)(B).



RECEIVED
JUN 22 2022

Report from the sound check performed by Dale Warner at the Serth event barn on June 22, 2022

Dale Warner performed all sound readings with a sound meter. The sound check was performed utilizing the same factory calibrated sound meter "mengshen sound level meter s/n 2021100002613" that was used on the sound reading conducted on April 6, 2022.

Between April 6, 2022 and June 22, 2022 a 6 foot high stockade fence was erected on the property line in the hopes to reduce the sound level on the neighbor's property.

There were no significant changes in the readings along the property line when the sound system was operated inside the barn at 90 dB and 100 dB.

When the sound system was played outside the barn at 90 dB and 100 dB, there was a noticeable sound reduction on the property line from the previous readings on April 6, 2022 with only one reading exceeding the 70 dB allowable maximum by town law. This reading was at point number 2 and the reading was 73 dB, which exceeds the allowable maximum by 50%. All the remaining readings were below 70 dB at property lines.

The handwritten comment by Dale Warner at 100 dB "too loud" was in reference to the fact that the sound was too loud to be enjoyed. Hearing loss begins at 90 dB. Both Dale Warner and Joseph Serth agreed that 90 dB was the appropriate sound level for music to be played at an event venue.

RECEIVED
JUN 27 2022

June 27, 2022

Memo

To: Jeffrey Schmitt, Planning Board Chairman
Planning Board Members

From: Dale Warner, Code Enforcement Officer

Re: Joseph Serth, 216/218 Batter Street; SBL#35.05-1-19.2; Sound Check

Members,

On Wednesday June 22, 2022 at your request, I made a site visit to conduct a sound check with Joe Serth. The report attached was created by Joe Serth with his numbers. My readings are the handwritten numbers which verify the readings to be similar. A map provided with the locations of the 6 points tested. Ambient Noise tested with just general surroundings, 90db at 10' from speakers and 100db also 10' from speakers. After each db setting we walked and checked points which gave us our readings.

REMOVED

Sound Check at Serth Event Site

Check #1: Conducted with sound system in barn with all doors open using 1600-Watt amp and 4 speakers

Results at 90dB 10 ft in front of speakers and 100dB and 106dB

Location	Ambient Noise	<i>67 feet inside barn</i>		
		90dB	100dB	106dB
1. Survey stake at NW corner of B&B property line	60 <i>52</i>	60 <i>60</i>	60 <i>68</i>	<70
2. Property line between love shack & barn	60 <i>65</i>	61 <i>63</i>	67 <i>71</i>	72
3. SE corner of love shack	50 <i>45</i>	51 <i>56</i>	65 <i>64</i>	<70
4. B&B carriage house 5ft from property line; 150ft from barn	50 <i>50</i> <i>48</i>	50 <i>45</i>	52 <i>61</i>	57
5. NE corner off Mary Hughes' property	55 <i>55</i>	55 <i>60</i>	64 <i>67</i>	69
6. Property line off Jim Segrue	55 <i>41</i>	55 <i>55</i>	60 <i>60</i>	64

outside

55

#1
Untitled Map



#2

#3

#4

#6

#5



DAYTONAUDIO

**CALIBRATED USB
MEASUREMENT
MICROPHONE**

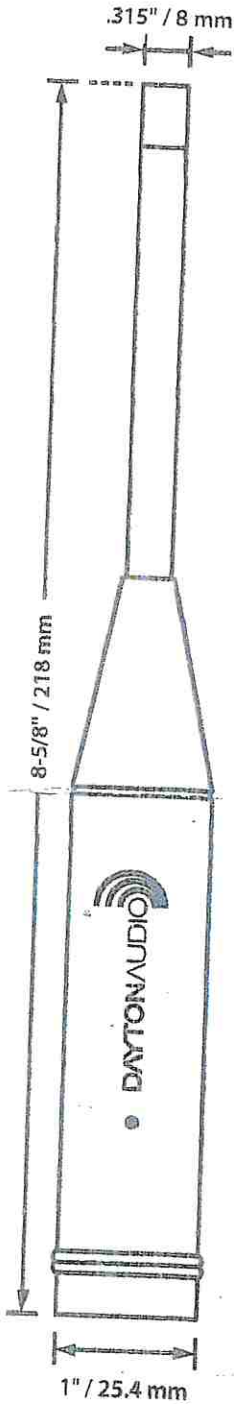
UMM-6



USB MEASUREMENT MICROPHONE

Quick Reference Guide

Model: UMM-6



- Precision condenser microphone for measurement and recording applications
- Connects directly to your PC or Mac via USB port
- True omnidirectional pattern with calibrated flat frequency response
- Rugged construction with high-quality components
- Compact design; includes sturdy carrying case with foam insert
- Compatible with industry-standard measurement software
- USB powered – no external power required
- Integrated design eliminates need for additional signal conditioning hardware

Technical Specifications:

- Capsule type: Precision 6 mm electret condenser
- Polar response: True omnidirectional
- Frequency response: 18 Hz - 20 kHz (Calibrated)
- Sensitivity at 1 KHz (+30 dB IPGA): -19 dBFS/Pa (Sensitivity is adjustable using Windows volume control)
- Max. SPL for 1% THD @ 1000Hz: 135 dB
- Noise level (SNR, A-weighted, +30 dB IPGA): -70 dBFS
- Connector: USB "B" connector
- Power supply: +5V USB power only
- Weight: 150 grams (Microphone unit only)

Setup:

To set up the UMM-6 for use, simply plug it into an available USB port on your PC or Mac using the supplied USB cable. The UMM-6 is also compatible with USB extenders. Within Windows, in the Sound control panel, make sure the item "UMM-6" is selected as the recording device. On the Mac OS, in System Preferences > Sound, make sure the "UMM-6" is selected as the Input device.

Calibration:

To deliver the most accurate results, a calibration file must be loaded into the software program being used for audio analysis. This calibration file is generated based on the serial number of your UMM-6. To obtain your calibration file in text format (compatible with most audio analysis software), visit DaytonAudio.com and navigate to the UMM-6 product page. Enter the serial number of your UMM-6, then click on "Download." Write your serial number in the blank provided below, in case the printed number becomes scratched or worn on the microphone body.

Record your serial number here.: 1781274

Support:

If you encounter problems or have unanswered questions, please visit the Support page on the Dayton Audio web site for support contact information.

Warranty Information

Dayton Audio products are warranted free from defects in material and workmanship for 5 years from date of purchase. 1 year warranty applies to the following products: powered subwoofers and electronic devices (e.g. subwoofer amplifiers, and plate amplifiers, as well as the Omnimic V2 and DATS loudspeaker testing devices). In the rare case of a product failure, please contact your place of purchase or call our Customer Support Department at (937) 743-8248.

Warranty Limitations

There are no other warranties, either expressed or implied, that extend the foregoing, and there are no warranties of merchantability or fitness for any particular purpose. Dayton Audio is not responsible for any consequential or inconsequential damage to any other unit or component or the cost for installation or extraction of any component of the audio system, or for the improper use of products. This includes but is not limited to burnt voice coils, overheating, bent frames, holes in the cone, or broken lead wires.

This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

Non-Warranty Service: If non-warranty service is required, the product may be sent to the Company for repair/replacement, transportation prepaid, by calling (937) 743-8248 for details, complete instructions, and service fee charges.



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