

L-MT-12-056

**ENCLOSURE 11**

**WESTINGHOUSE REPORT, WCAP-17252-NP, REVISION 2  
ACOUSTIC LOADS DEFINITION FOR  
THE MONTICELLO STEAM DRYER REPLACEMENT PROJECT**

**25 pages follow**

Westinghouse Non-Proprietary Class 3

WCAP-17252-NP  
Revision 2

May 2012

# **Acoustic Loads Definition for the Monticello Steam Dryer Replacement Project**



**WCAP-17252-NP**  
**Revision 2**

## **Acoustic Loads Definition for the Monticello Steam Dryer Replacement Project**

**Author: Gianluca Longoni\***  
Acoustics & Structural Analysis

**Reviewer: David A. Suddaby\***  
Acoustics & Structural Analysis

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Approved: David R. Forsyth\*, Manager  
Acoustics & Structural Analysis

\*Electronically approved records are authenticated in the electronic document management system.

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Westinghouse Electric Company LLC  
1000 Westinghouse Drive  
Cranberry Township, PA 16066

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**ACRONYMS**

3-D	three-dimensional
[	]
CLTP	current licensed thermal power
EPU	extended power uprate
FEM	finite element model
MSL	main steam line
PSD	power spectral density
RMS	root mean square
SNR	signal-to-noise ratio
SRV	safety relief valve

# 1 EXECUTIVE SUMMARY

[

] <sup>a</sup>

[

] <sup>a</sup>

[

] <sup>a,c</sup> In conclusion, based on a detailed pressure load definition obtained using [ ] <sup>a</sup> it was determined that [ ] <sup>a,b,c</sup>

[

] <sup>a</sup>



2 [ ]<sup>a</sup>

2.1 INTRODUCTION

[

] <sup>a, b, c</sup>

2.2 [

]a

[

]a



b

Figure 2-1 [

]b

[

]a,c

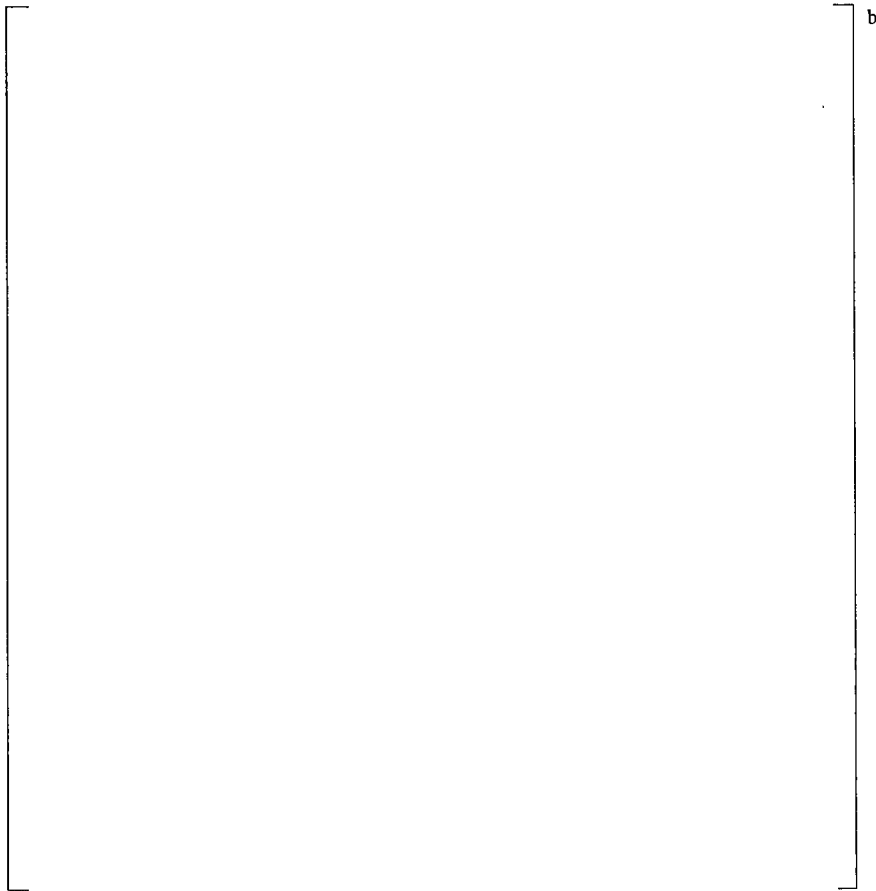


Figure 2-2 [

]b

[

]a, b



**Figure 2-3 [**

**]<sup>b</sup>**



**Figure 2-4 [**

**]<sup>b</sup>**

2.3

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Figure 2-5 [

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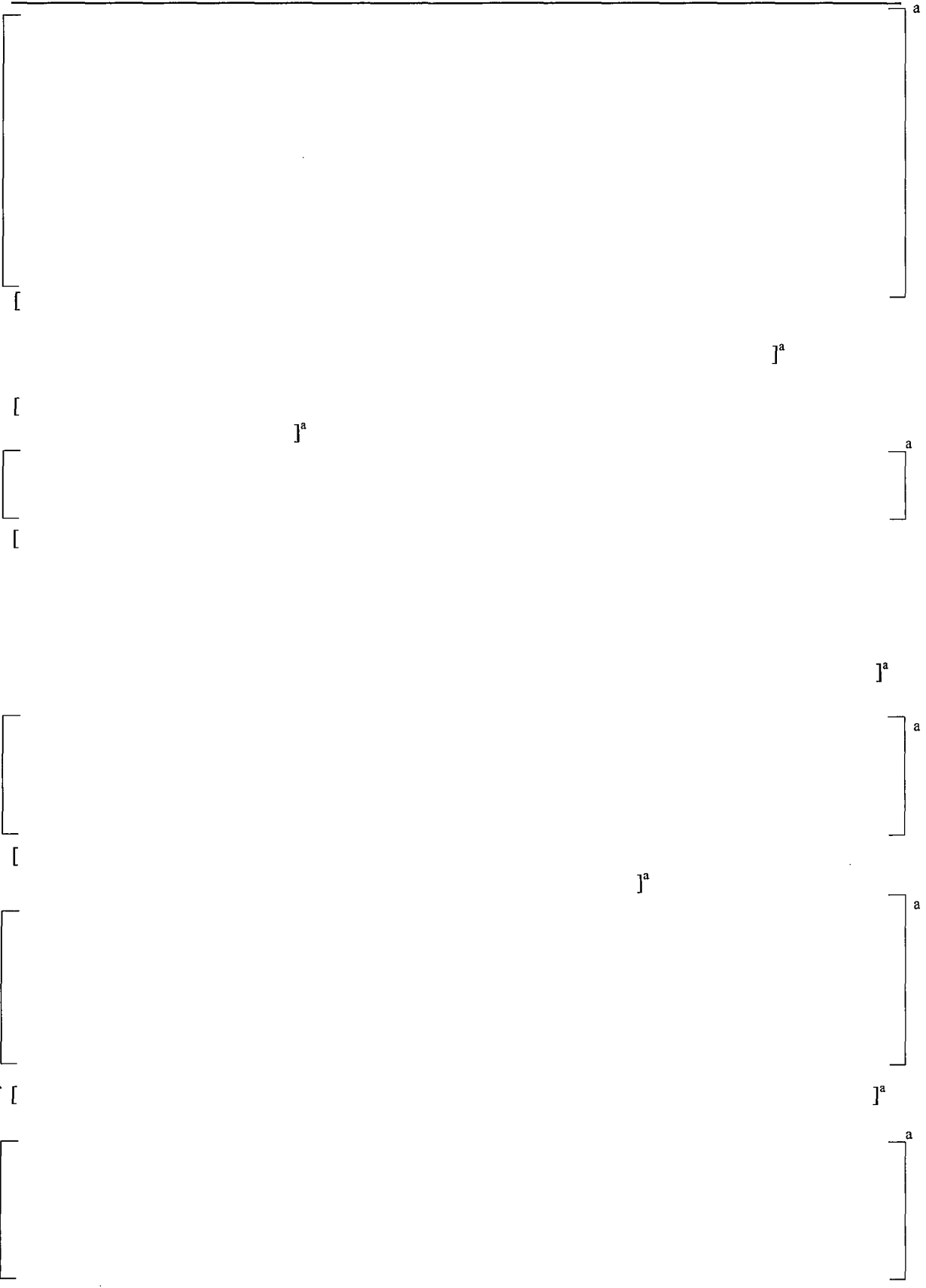
] <sup>a</sup>

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Figure 2-6 [

]a, b

[

]a, b

[

]a, c

3 [

]a

3.1 INTRODUCTION

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]a

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]a

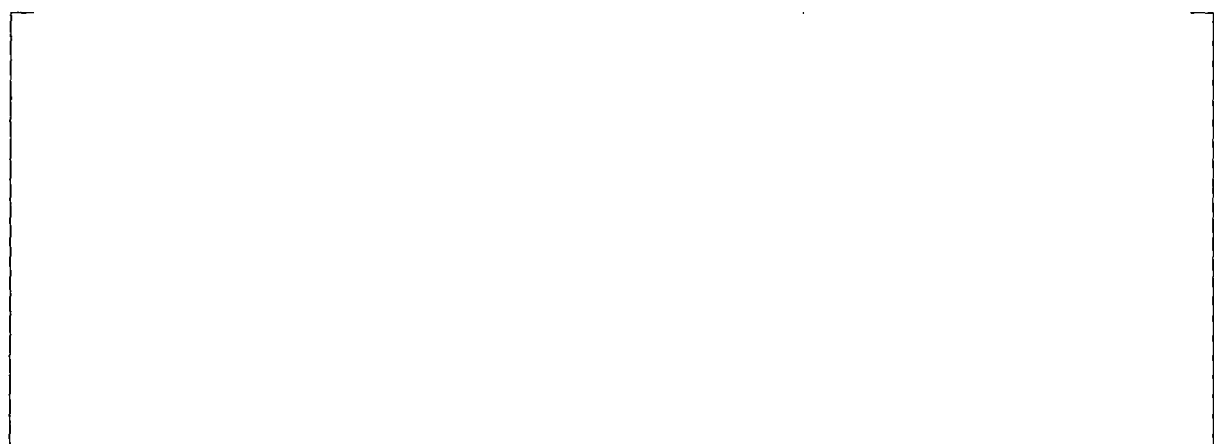


Figure 3-1 [

]a

[

] <sup>a</sup>

3.2 [

] <sup>a</sup>

[

] <sup>a</sup>

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] <sup>a</sup>

[

] <sup>a</sup>

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Table 3-4	[	] <sup>a, b, c</sup>

4 [ ]<sup>a</sup>  
[ ]

] <sup>a</sup>

Table 4-1 [ ] <sup>a, b, c</sup>		a, b, c

[ ]

] <sup>a</sup>



**Figure 4-1** [

]<sup>a</sup>



**Figure 4-2** |

|<sup>a</sup>



**Figure 4-3 [**

**]<sup>a</sup>**





**Figure 4-4 [**

**]<sup>a</sup>**

## 5 REFERENCES

1. [ ]<sup>a, b, c</sup>
2. [ ]<sup>a, b, c</sup>
3. [ ]<sup>a, b, c</sup>