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**From:** Henry Kinney [henryk@kinneylaw.com]  
**Sent:** Thursday, August 01, 2013 5:13 PM  
**To:** Nicole Hobson-Morris  
**Cc:** Maggie Merrill; Brian E. Lawlor; April Kennedy; Phil Boggan  
**Subject:** Iberville Draft Vibration Monitoring Plan

Dear Nicole,

We understand that you have provided additional comments to Tracey Dodd, U.S. Risk Management, concerning the standard being used for vibration monitoring. We refer to the following PA language concerning the vibration monitoring plan: "The Program will reference the Bureau of Mines' and Army Corps of Engineers vibration standards and justify any discrepancies with these authorities due to site or location specific conditions." See Stipulation VI.D.3.

We are aware of some rumors claiming that damages have been caused by vibration from construction of the UMC and VA hospitals as justification for deviating from the standard used in the Vibration Monitoring Plan for those projects and to use a higher standard. U.S. Risk Management has contacted officials from the State and the VA who have refuted and discredited those claims.

We appreciate the effort put forth by SHPO to provide comments to the vibration monitoring plan on an expedited basis. The SHPO's comments have been reviewed and considered by HANO, the City and HANO's consultants, and have been addressed in previous correspondence from HANO's environmental consultant, USRM. The Vibration Monitoring Plan which will be utilized by this project has been previously vetted and approved and is appropriate for use for the Iberville construction using the Bureau of Mines' and Army Corps of Engineers standards. As specified in the PA, the Vibration Monitoring Program has been completed and will be posted to the Website and implemented, all in accordance with Stipulation VI.D.4.b.

Thanks again for your work to provide comments in a timely fashion so that the project may proceed.

Sincerely,

Henry W. Kinney  
Kinney, Ellinghausen, Richard & DeShazo  
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New Orleans, LA 70113  
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**From:** Tracey Dodd [tdodd@us-risk.com]  
**Sent:** Tuesday, July 30, 2013 11:50 AM  
**To:** Nicole Hobson-Morris  
**Cc:** Chip McGimsey; belawlor@nola.gov; April Kennedy; jcollen@hriproperties.com; Phil Boggan; henryk@kinneylaw.com; cclement@hriproperties.com; Reagan Butcher; johnd@kinneylaw.com; Maggie Merrill  
**Subject:** RE: Iberville Draft Vibration Monitoring Plan

Nicole

Thank you for the receipt of SHPO's comments regarding the Vibration Monitoring Plan (VMP) for the Iberville Redevelopment Project. In response, we provide the following:

1. The VMP will be modified to include the contact information for residents and businesses should questions arise.
2. We will insert the words "historic structures" in lieu of "Buildings" in the sections entitled *Permanent Displacement* and *Existing Building Cracks*.
3. Regarding the SHPO comment on *Control of Peak Particle Velocities*, as indicated in the VMP, and has been approved for past projects by SHPO, we will be meeting the standard of 0.25 ips, which is well recognized and follows the standard in the City for protection of historic structures.
4. Regarding the SHPO comment associated with Page 9 of the VMP concerning the *Test Pile Program* and *Job Pile Installation*, no other systems or pile installation methods were considered other than those that will be directly used on site. Augured concrete pilings are not feasible for use on this project. Also, please note that we have repeatedly responded to the allegations of excessive vibrations at the LSU/VA site, and find them unfounded. The vibration from the construction sites is consistently lower than surrounding baseline vibration from existing and pre-existing commercial traffic on Claiborne and Tulane Avenues.

We certainly appreciate SHPO's review and comments of the VMP, and will make the above clarifications and will post this document to the CNI website as final in accordance with the requirements of the PA.

Many thanks,

Tracey D. Dodd  
U.S. Risk Management, LLC  
365 Canal Street, Suite 2760  
New Orleans, LA 70130  
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(504) 561-6624 fax  
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(866) 561-6563 24 hr Emergency Response  
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**From:** Nicole Hobson-Morris [mailto:nmorris@crt.la.gov]  
**Sent:** Friday, July 26, 2013 7:00 PM  
**To:** belawlor@nola.gov; akennedy@hano.org; jcollen@hriproperties.com; Phil Boggan; Tracey Dodd; henryk@kinneylaw.com; cclement@hriproperties.com

**Cc:** Chip McGimsey  
**Subject:** Iberville Draft Vibration Monitoring Plan

All,  
Attached please find SHPO comments relative to the draft vibration monitoring plan for Iberville.  
Have a great weekend!  
Nicole

*Nicole Hobson-Morris,*  
Executive Director, Louisiana Division of Historic Preservation/DSHPO  
Office of Cultural Development, Dept. of Culture, Recreation & Tourism  
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**From:** Nicole Hobson-Morris [nmorris@crt.la.gov]  
**Sent:** Monday, August 05, 2013 9:55 AM  
**To:** April Kennedy; belawlor@nola.gov; henryk@kinneylaw.com  
**Cc:** cclement@hriproperties.com; cvaughn@achp.gov; jloichinger@achp.gov; Phil Boggan  
**Subject:** Draft Iberville Monitoring Plan - CORRECTION\_SHPO  
**Attachments:** Iberville Draft Vibration Monitoring Plan; RE: Iberville Draft Vibration Monitoring Plan

**Importance:** High

Henry,

Please accept this email in place of the transmittal submitted on Friday, August 2, 2013. I neglected to add the emails referenced herein and I also made some minor word changes.

SHPO is requesting that this email, your email dated Thursday, August 1, 2013, as well as Ms. Dodd's email of Tuesday, July 30, 2013 (both attached) be made a part of the administrative record for this federal project and also post the same to the Share File Activity Notification site for this project.

In keeping with Stipulation VI.D.2., which states "HANO will establish, in consultation with SHPO, a Vibration Tolerance and Monitoring Program (Program) to safeguard the buildings that are to be retained on-site, St. Louis I and II Cemeteries, as well as other historic properties being retained within the APE from inadvertent damage from vibration due to ground disturbance", we ask for HANOs further consideration of the following.

Given the heightened concern regarding vibrations to the already sensitive tombs and monuments in the historic cemeteries, SHPOs letter of July 26, 2013, requested that HANO address if any other form of pile driving was considered. If augured cast piles were not considered or were considered non-feasible for the project due to specific reasons, we believe this should be noted in the document as a matter of public record. The draft Program addressed the fact that "Impact hammers may be used for this project, as the vibratory hammers may induce ground vibrations..." on page 8. The author is making a distinction in what will and will not be used. Why not address HANO's inability to use augured cast piles there? A simple justification noted in the Program is what we are requesting.

We wish to reiterate that our research has shown that Auger cast piles, which produce very little vibration, can often be no more expensive (or even less expensive) than pile driving, since there is less equipment and mobilization involved. The driven piles require a crane and a good deal of set-up time, which escalates their costs, while with auger piles a truck with the auger just drives up to the site and starts work. Many auger operations use a sacrificial drill bit that is just broken off when the pile reaches its desired depth. This keeps the hole from being left open and caving in and is especially beneficial when drilling in water-bearing sandy soil.

In the interest of consultation, we also want to request that the USBM standard of .1 inches per second (ips) for historic monuments, as noted in the draft Program, be used for demolition and construction closest to the cemeteries. If this standard is not used across the entire site, perhaps a consideration could be made to use it at specific distances from the cemeteries. As always, we want to be proactive instead of reactive when addressing the possibility of vibrations from pile driving damaging these historic cemeteries, which bring National and International visitors to New Orleans on a yearly basis, due to their historic value.

We would appreciate the opportunity to further consult with HANO on this important process.

Thank you,  
Nicole

*Nicole Hobson-Morris,*

Executive Director, Louisiana Division of Historic Preservation/DSHPO  
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