



CONVERSATION RECORD

06/15/2016

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

See below.

DATE OF CONTACT

06/08/2016

TYPE OF CONVERSATION

☐ E-MAIL☒ TELEPHONE☐ INCOMING☒ OUTGOING

E-MAIL ADDRESS

TELEPHONE NUMBER

(888) 447-9153

ORGANIZATION

Croft Associates Limited and Missouri University Research
Reactor (MURR)

DOCKET NUMBER(S)

71-9338

LICENSE NUMBER(S)

CONTROL NUMBER(S)

SUBJECT

Gas Generation Discussion Teleconference

SUMMARY

NRC participants: Chris Allen, Dan Forsyth, Jorge Solis, Steve Everard, and Bernie White

Croft participants: Sarah Bryson and Robert Vaughn

MURR participants: Michael Flagg

When the call commenced at approximately 10:30 A.M. eastern standard time, NRC staff asked the applicant to identify what assumptions had been used to generate the gas generation calculation provided with the submittal (ML15351A331). MURR provided this information. When staff stated the 45% hydrogen concentration greatly exceeded the 5% value recommended in NUREG-1609, "Standard Review Plan for Transportation Packages for Radioactive Material," MURR responded that they chose to be very conservative in their approach due to issues raised by staff during the initial issuance of the certificate. After expressing appreciation and understanding for how MURR approached the issue, staff explained that a more realistic approach to demonstrating regulatory compliance might allow staff to make a finding of reasonable assurance in this instance. MURR pointed out that the consequence analysis (ML16147A132) provided in response to an additional information request showed, for this transportation package, that the results of hydrogen ignition were negligible. In spite of this, staff reiterated their position that making a finding of reasonable assurance of public health and safety was not possible for a package in which calculations suggested a hydrogen concentration nine

Continue on Page 2

ACTION REQUIRED (IF ANY)

Continue on Page 3

NAME OF PERSON DOCUMENTING CONVERSATION

Chris Allen

SIGNATURE

William C. Allen

CONVERSATION RECORD (continued)

SUMMARY: (Continued from page 1)

times above the recommended concentration limit in NUREG-1609. Subsequently, MURR agreed to revise their gas generation calculation, and the call was concluded at approximately 11 A.M. eastern standard time.