

August 21, 2017

MEMORANDUM TO: Anthony H. Hsia, Deputy Director
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

FROM: Chris Allen, Project Manager **/RA/**
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF AUGUST 15, 2017, MEETING WITH CROFT
ASSOCIATES REGARDING NEW CONTENTS FOR MODEL NO.
3977A (TAC NO. L25238)

Background

On August 15, 2017, a teleconference meeting was held between representatives of Croft Associates, Ltd. and the U.S. Nuclear Regulatory Commission (NRC) to discuss a proposed new content for the Model No. 3977A, Certificate of Compliance No. 9338. Model No. 3977A package transports radioisotopes used in a wide range of therapeutic, diagnostic and research applications. Regulatory decisions were neither requested nor made at the meeting. The list of meeting attendees is Enclosure 1. The meeting agenda is Enclosure 2. Croft provided presentation slides prior to the meeting. The slides can be found in the NRC's Agencywide Documents Access and Management System under Accession No. ML17220A127.

Discussion

Using the presentation slides provided prior to the meeting, the discussion followed the agenda provided in Enclosure 2. Due to the large numbers of isotopes associated with the proposed contents, much of the meeting focused on how to describe the contents both clearly and concisely in the certificate of compliance. During these discussions, the NRC emphasized the need for an adequate technical justification regardless of how the contents were specified. The meeting also addressed how directly loading the contents into the containment vessel versus loading the contents into a shielding insert impacted package evaluations. In these discussions, the NRC focused on the need for modified shielding analyses because directly loaded contents had not been previously analyzed, but also encouraged Croft to evaluate directly loaded configurations against the regulatory requirements even though the original approval of the Model No. 3977A had been based upon satisfactory prototype tests.

Docket No. 71-9338
TAC No. L25238

Enclosures: 1. Attendees
2. Agenda

Contact: Chris Allen NMSS/DSFM
(301) 415-6877

SUMMARY OF AUGUST 15, 2017, MEETING WITH CROFT ASSOCIATES REGARDING
 NEW CONTENTS FOR MODEL NO. 3977A (TAC NO. L25238), DOCUMENT
 DATE: AUGUST 21, 2017

Distribution: NRC Attendees

Filename: G:\SFST\Allen\Part 71\Safkeg\Public Meeting\Meeting Summary.docx
 (Closes CAC L25238)

ADAMS Accession No.: ML17234A255

OFC:	SFM		SFM		SFM	
NAME:	WAllen		SFiguroa via e-mail		BHWhite for JMckirgan	
DATE:	8/16/17		8/17/17		8/21/17	

OFFICIAL RECORD COPY

MEETING ATTENDEES
Meeting Between Croft Associates, Ltd.
and Nuclear Regulatory Commission
August 14, 2017

Chris Allen	NRC/SFM
Dan Forsyth	NRC/SFM
Sarah Bryson	Croft Associates, Ltd.
Alex Ferguson	Croft Associates, Ltd.
Kevin John	Los Alamos National Laboratory
Mark Garland	Department of Energy
Ethan Balkin	Department of Energy
Kevin Felker	Oak Ridge National Laboratory
Kathy Cutler	Brookhaven National Laboratory
Dohyun Kim	Brookhaven National Laboratory
Dmitri Medvedev	Brookhaven National Laboratory

AGENDA

Meeting Between Croft Associates, Ltd.
and Nuclear Regulatory Commission
August 14, 2017

- Introduction
- Croft Proposed Content Presentation
- Discussion/Q&A
- Summary/Closing Remarks
- Adjourn