



JUNE 2, 2017

U.S. Nuclear Regulatory Commission – Region III  
Attn: Colleen Casey – Materials Licensing Reviewer  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

**Ref: Control Number 594416**

Dear U.S. NRC Reviewer

Please amend Apollo America's NRC Material License No. 21-23805-01 to reflect John Schertel as the company's Radiation Safety Officer. Mr. Schertel has nearly 20 years in emergency and hazardous materials response, including that of response to Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) emergencies.

Training and experience specific to radiation have included the following topics:

- History and definition of Radiation, Radioactivity, Isotope, Radioisotope
- Types of Radiation –
  - Non-Ionizing – Microwaves, UV light, radio waves, IR light, radar
  - Ionizing – Alpha particles, beta particles, gamma rays, neutrons, x-Rays
- Natural & Man made background sources
- Fundamentals
- Exposure Limits & Regulation
- Detection of Radiation – including methods, and use of various detectors
  - Dosimeters
  - Detectors
- Safe Practices with Radiation to Minimize Dose – ALARA – As Low as Reasonably Achievable
  - Time
  - Distance
  - Shielding
- Routes of Entry
  - Inhalation
  - Absorption
  - Ingestion
  - Injection
- Biological Effects of Radiation
  - Acute – Short Term
  - Chronic – Long Term
- Emergency Response Procedures

If you have any questions regarding this request or the qualifications submitted, please feel free to contact me.

Best regards,

Andrew Frost  
Vice President of Engineering

A HALMA COMPANY

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**Apollo America, Inc.**  
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6/2/2017

**FAX**

**To: Colleen Casey – Material License Reviewer**

**Phone: (630) 829-9841**

**Company Name: U.S. Nuclear Regulatory Commission, Region III**

**Fax: (630) 515-1078**

**From: John Schertel**

**Phone: (248) 332-3900**

**Company Name: Apollo America, Inc.**

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**Number of Pages: 2 (Including cover sheet)**

**Urgent: No**

**Action Requested: For Review**