



This certifies that
Hunter Beauchamp

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Hunter Beauchamp

Has successfully completed the eLearning course:

**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 4, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Hunter Beauchamp

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 17, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Hunter Beauchamp

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Hunter Beauchamp

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 4, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that

Hunter Beauchamp

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:

August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Hunter Beauchamp

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

October 12, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that

Hunter Beauchamp

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:

September 8, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Hunter Beauchamp

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
September 27, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that

Hunter Beauchamp

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:

November 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
September 9, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
September 27, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee

[NYSED Sponsor 154]



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

October 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

November 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 29, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Tae Young Kim

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

October 13, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 20, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 1, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 17, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 20, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 1, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 27, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:
November 19, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
September 2, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
September 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Andrew Mackey

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 30, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 28, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

December 4, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:

September 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
October 13, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Myles Mazeke

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 6, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 6, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 17, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 21, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 30, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

October 13, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
September 8, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
September 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Lucas McCleery

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 6, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

October 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 8, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 20, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 6, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 27, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

October 12, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:

September 2, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
September 27, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Prakash Nigam

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:

November 5, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

October 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 8, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

November 17, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 23, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

October 12, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
September 29, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Thomas Rafferty

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jeffrey Tantow

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

October 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jeffrey Tantow

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 30, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jeffrey Tantow

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jeffrey Tantow

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 23, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jeffrey Tantow

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 1, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jeffrey Tantow

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 29, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Jeffrey Tantow

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

October 13, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that

Jeffrey Tantow

Has successfully completed the eLearning course:

**ELA991: SACHE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:

September 9, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACHE Committee



This certifies that
Jeffrey Tantow

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
September 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jeffrey Tantow

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

October 20, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

November 8, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA906: SACChE® Certificate Program -
Dust Explosion Control**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 24, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 15, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA909: SACChE® Certificate Program -
Basics of Laboratory Safety**

And is therefore credited with 5 Professional Development Hours [PDHs]
which is equivalent to .5 Continuing Education Units [CEUs].

Date Awarded:

August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

November 15, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:
October 7, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:

September 6, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Sophia Tarpey

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 1, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

October 13, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 27, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

October 13, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
September 11, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
October 13, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Benamin Abbott

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
December 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that

THOMAS ALVERMANN

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

October 21, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
THOMAS ALVERMANN

Has successfully completed the eLearning course:
**ELA902: SACHE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 11, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACHE Committee



This certifies that
THOMAS ALVERMANN

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 15, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
THOMAS ALVERMANN

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 17, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
THOMAS ALVERMANN

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 11, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
THOMAS ALVERMANN

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
THOMAS ALVERMANN

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

October 12, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
THOMAS ALVERMANN

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
September 7, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
THOMAS ALVERMANN

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
September 27, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
THOMAS ALVERMANN

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 1, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:
August 25, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Kevin Brooks

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 6, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

**ELA902: SACHE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

November 29, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACHE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

September 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 17, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
December 7, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

December 6, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:

September 9, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
September 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Jospeh Canterbury

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
December 7, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 20, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 19, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:
August 23, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
August 20, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 23, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Louis Fuka

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Charles Hogeboom

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Charles Hogeboom

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Charles Hogeboom

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Charles Hogeboom

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 17, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Charles Hogeboom

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Charles Hogeboom

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that

Charles Hogeboom

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:
August 28, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Charles Hogeboom

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
August 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Charles Hogeboom

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Charles Hogeboom

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 29, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Gabriela Huggins

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
September 30, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Gabriela Huggins

Has successfully completed the eLearning course:

**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

October 19, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Gabriela Huggins

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

August 25, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Gabriela Huggins

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Gabriela Huggins

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 1, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Gabriela Huggins

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:
September 30, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Gabriela Huggins

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
August 19, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Gabriela Huggins

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Gabriela Huggins

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 3, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 6, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 27, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

October 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 18, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 28, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

October 30, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
September 11, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
October 27, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Mark Jaskot

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 16, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 28, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:
**ELA902: SACChE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 29, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:

**ELA908: SACHE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACHE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 21, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
November 29, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
November 28, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

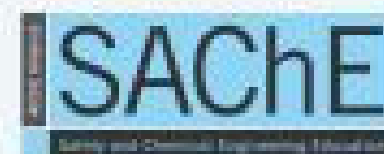
Date Awarded:
November 28, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
September 10, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smedley".

Wendy Smedley, Chair, SACChE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
November 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Joshua Musiol

Has successfully completed the eLearning course:

**ELA997: SACHE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 28, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACHE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

**ELA902: SACHE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 25, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

August 20, 2020

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 19, 2020

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACChE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 19, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
August 20, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Nathaniel Olsavsky

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 24, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

**ELA901: SACChE® Certificate Program -
Chemical Process Safety in the Chemical Process Industries**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

**ELA902: SACHE® Certificate Program -
Runaway Reactions**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACHE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

**ELA908: SACChE® Certificate Program -
Process Safety Lessons Taught from Experience**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:

August 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

ELA954: SACChE® Certificate Program - Lab Safety

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 20, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

**ELA962: SACChE® Certificate Program –
Chemical Reactivity Hazards**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to .4 Continuing Education Units [CEUs].

Date Awarded:
August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

**ELA970: SACChE® Certificate Program -
Hazards and Risk: What Can Go Wrong?**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:
August 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

**ELA984: SACChE® Certificate Program -
Inherently Safer Design**

And is therefore credited with 3 Professional Development Hours [PDHs]
which is equivalent to 0.3 Continuing Education Units [CEUs].

Date Awarded:

August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

**ELA991: SACChE® Certificate Program - The Role of
Inert Gases in Process Safety**

And is therefore credited with 1 Professional Development Hours [PDHs]
which is equivalent to 0.1 Continuing Education Units [CEUs].

Date Awarded:
August 25, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

ELA992: SACChE® Dust Explosions

And is therefore credited with **2.25** Professional Development Hours [PDHs]
which is equivalent to **0.225** Continuing Education Units [CEUs].

Date Awarded:
August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee



This certifies that
Taylor Vessel

Has successfully completed the eLearning course:

**ELA997: SACChE® Certificate Program - Risk Based
Process Safety - Manage Risk: Operations**

And is therefore credited with 4 Professional Development Hours [PDHs]
which is equivalent to 0.4 Continuing Education Units [CEUs].

Date Awarded:

August 26, 2020

Shakeel Kadri, Executive Director, CCPS

Wendy Smades, Chair, SACChE Committee