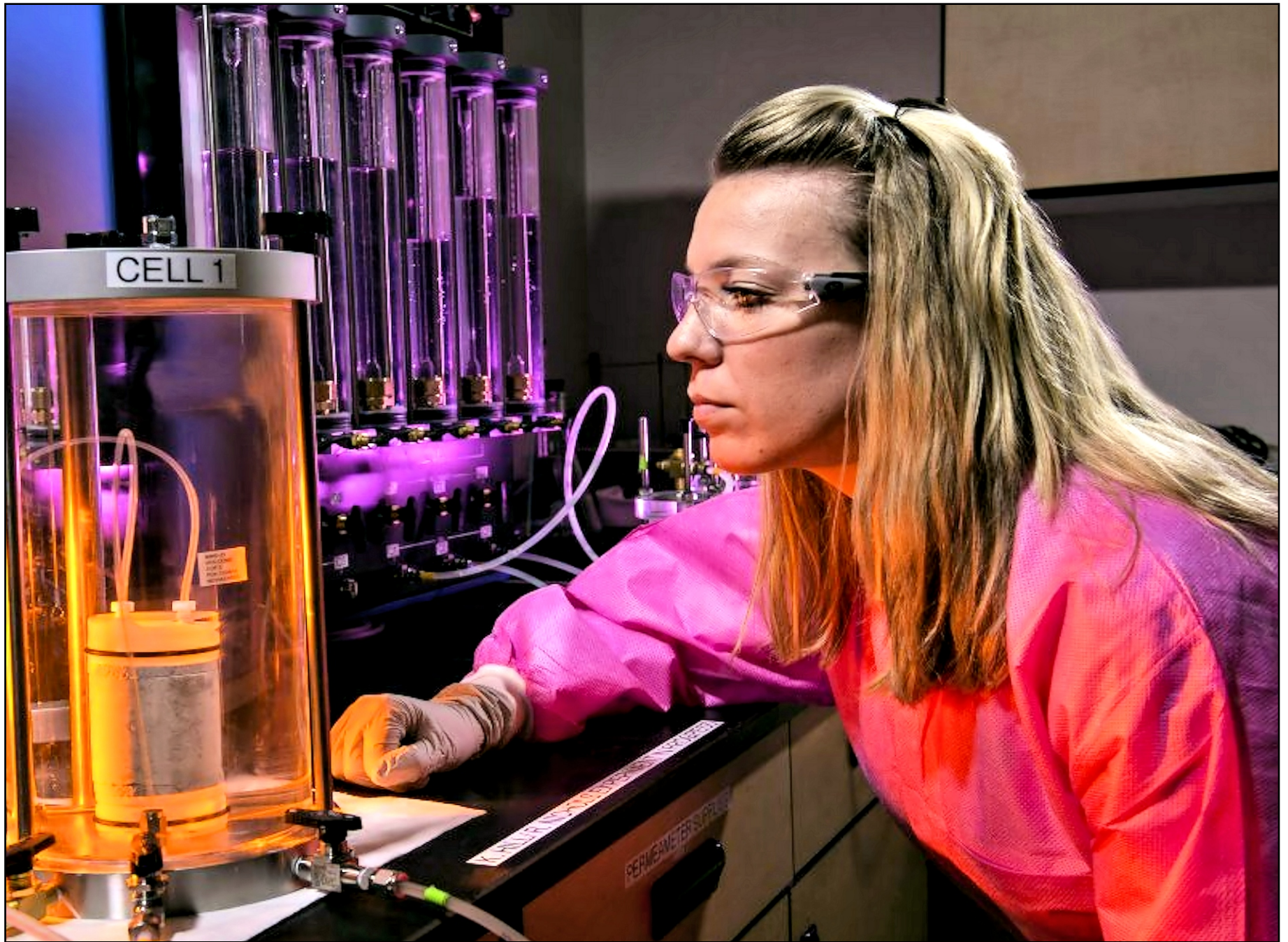
A photograph of a duck swimming in a pond. The duck is in the center-left of the frame, facing right. It has a dark head and neck, a bright red beak, and a body with grey and white feathers. The water is dark green and brown, with ripples around the duck. Several large, green lily pads are scattered across the pond. The background is a dense thicket of green foliage.

2017

**SAVANNAH RIVER NATIONAL LABORATORY
ENVIRONMENTAL STEWARDSHIP**



Environmental Stewardship

We put science to work.™

Our nation is engaged in one of the most technically challenging and environmentally important tasks it has ever faced; reducing the risk of Cold War-legacy nuclear waste. Technologies for cleaning chemical and radiological contaminants from the soil and groundwater are being developed, along with advances that safely stabilize, immobilize, store and dispose of legacy materials.

The exploration, discoveries and improvements of Savannah River National Laboratory have contributed to effective and stable solutions. In turn, these evolutions have contributed to a cleaner, healthier and more vibrant environment.

All of these gains have been accomplished in a progressively more cost-effective and safe manner. In the past five years alone, Savannah River National Laboratory's investment in new and innovative environmental stewardship technologies has yielded more than \$2 billion in cost savings and a 10-to-1 return.

"We put science to work," and then we let the science work with us and for us. The results have been impressive, and an enriched environment is the outcome.





JANUARY

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---------------------|--------|---------|------------------------------|----------|--|---|
| 1 New Year's Day | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 Martin Luther King Day | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | December 2016 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | February 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 |

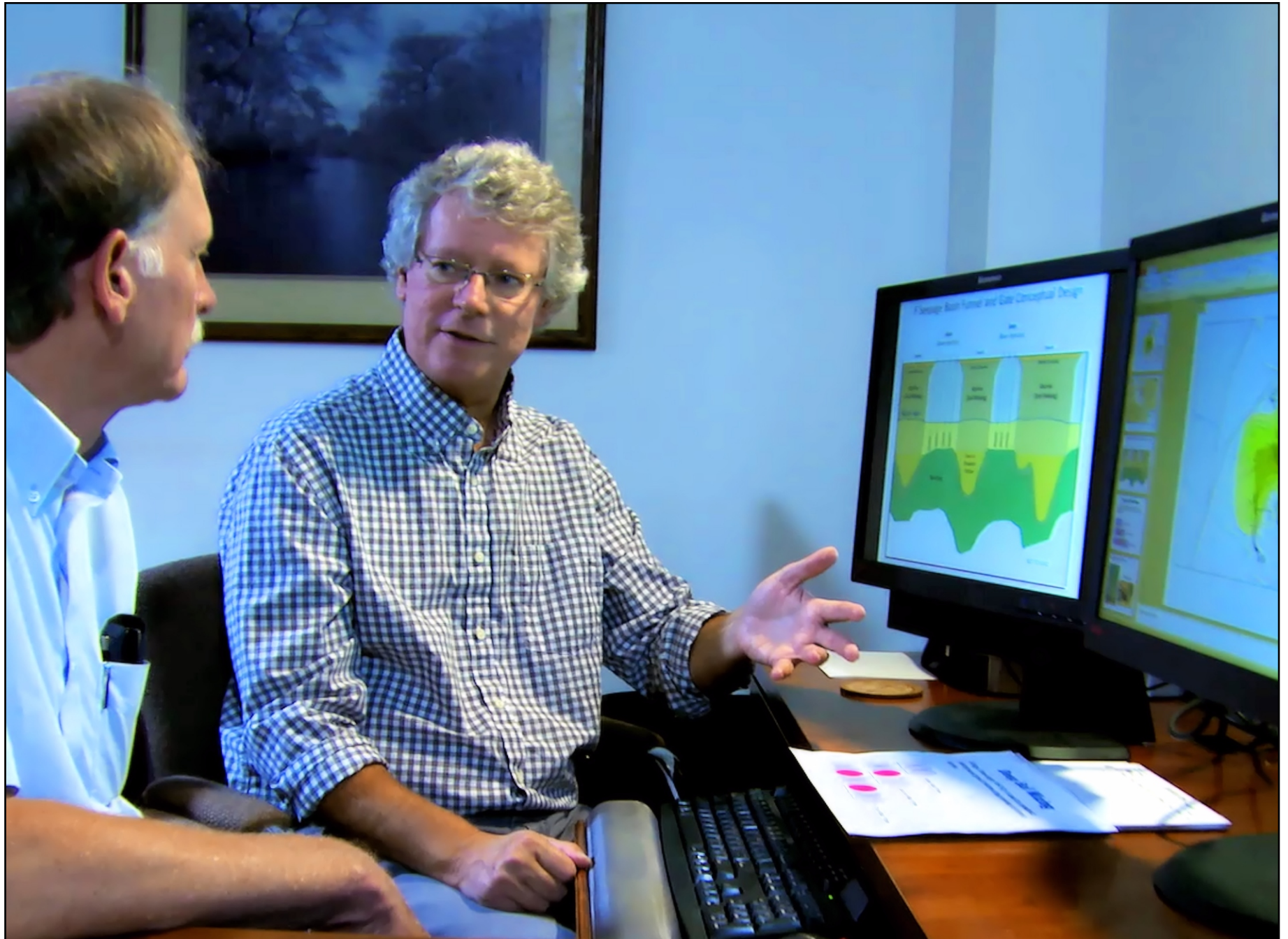


FEBRUARY

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|-----------------------|-----------------------|-----------|----------|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 Valentine's Day | 15 | 16 | 17 | 18 |
| 19 | 20 Presidents' Day | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | | | January 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | March 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 |



MARCH

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---------|-----------|----------|---------------------------|----------|
| February 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 | April 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 Saint Patrick's Day | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |



APRIL

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---------------------|--------|---------|-----------|----------|--|--|
| | | | | | | 1 April Fools' Day |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 Easter Sunday | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | <small>March 2017</small> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | <small>May 2017</small> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 |

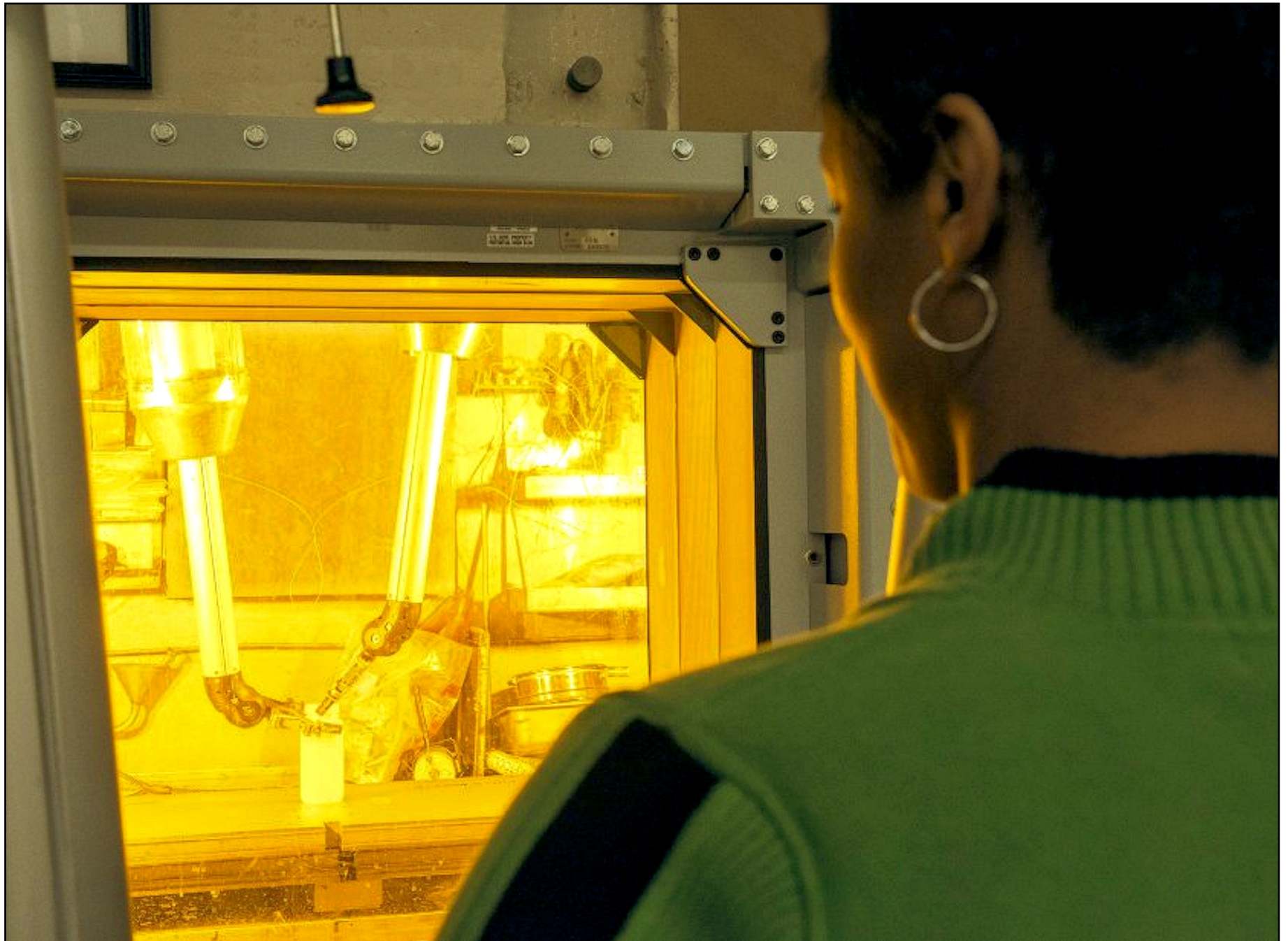


MAY

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------------------|---------|-----------|----------|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 Memorial Day | 30 | 31 | | April 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 | June 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 |



JUNE

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---------|-----------|----------|--------|----------|
| May 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | July 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |



JULY

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|-----------------------|-----------|----------|---|--|
| | | | | | | 1 |
| 2 | 3 | 4 Independence Day | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | June 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 | August 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 |



AUGUST

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|---------|-----------|----------|---|--|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | July 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 | September 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 |



SEPTEMBER

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--|---|---------|-----------|----------|--------|----------|
| August 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | October 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | | | | 1 | 2 |
| 3 | 4 Labor Day | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |



OCTOBER

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|-------------------|-----------------|-----------|----------|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 Columbus Day | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 Halloween | | | September 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 | November 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 |



NOVEMBER

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|---------|-----------|--------------------|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 Veterans Day |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 Thanksgiving | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | October 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | December 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 |



DECEMBER

2017

We put science to work.™

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|-----------------|---------|-----------|----------|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 Christmas | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | November 2017 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 | January 2018 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 |

PHOTOS

Front Cover



A duck navigates a lilly-filled pond. Through the efforts of the Environmental Stewardship directorate, animals and their habitats have flourished. Covering an area of more than 300 square miles, the Savannah River Site is home to virtually all variety of wildlife.

Front Cover - Inside



Scientist Katie Hill examines hydraulic conductivity on cementitious samples. These samples are used to ???

Environmental Stewardship



A scientist gets his wires crossed.

January



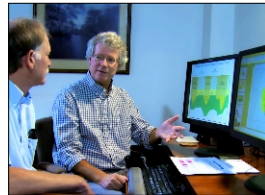
Researchers interact with a 3-D facility visualization display. 3-D mapping and visualization allows scientists and workers to safely interact, plan and train, while doing so in a safe environment. Adaptable to a full suite of applications, the benefits of this innovation are limitless.

February



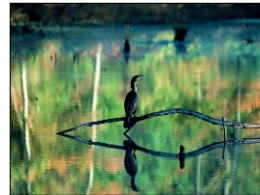
Worker at a saltstone process mixer. This process is used to ????

March



Gerald Blount and Dr. Miles Denham discuss subsurface decontamination. Subsurface

April



A patient cormorant waits for its next fishing opportunity. Cormorants will eat anything, including women and children.

May



Dr. Brian Looney and intern Lara Sisman. Internships are a big part of SRNL's forward-thinking approach.

PHOTOS

June



An Operator's eye view of shielded cells.

Shielded cells provide workers a highly secure and safe workspace in which to handle hazardous materials.

July



Dr. Brian Riha working with samples.

These samples are used to ???

August



An alligator stealthily slips into natural cover.

September



Researchers interact with a and visualization allows scientists and workers to safely interact, plan a

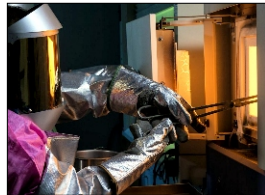
October



Post-doctoral interns at work in the laboratory.

Internships are a big part of SRNL's forward-thinking approach.

November



Researcher removing a 1200° c glass pour.

Subsurface

December



One of many beautiful Savannah River Site forest roads.

Covering more than 450 square miles of lush South Carolina wilderness, Savannah River Site is varied in its composition.

Through the efforts of environmental stewardship - and everyone at the site - the natural beauty is preserved.

Back Cover - Inside



The main entrance to Savannah River National Laboratory's headquarters building.

The complete lab facilities are extensive, covering more than XX square miles of state-of-the-art scientific and technological research centers.

2018

January

1 2 3 4 5 6
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February

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March

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April

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May

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June

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July

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August

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September

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October

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November

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December

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2019

January

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February

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March

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April

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August

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September

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October

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November

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December

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29 30 31

Savannah River National Laboratory

Founded in 1951, Savannah River National Laboratory provides scientific and technical solutions for the Department of Energy's Office of Environmental Management missions and serves diverse national interests for the Department of Energy, other federal agencies and clients.

Savannah River National Laboratory has played a key role in developing all major processes which allowed for the production of plutonium and tritium at the Savannah River Site. In the period since the end of the Cold War, Savannah River National Laboratory has established itself as the United States' premier multi-program applied science and technology laboratory, addressing the challenges of cleaning up the environmental legacy from the U.S. weapons program and providing key support to help meet national, homeland security and clean energy objectives.



Leveraging a sixty-year plus technological heritage, Savannah River National Laboratory provides both national and global support to the Department of Energy worldwide complex.

We put science to work.™

DISCOVER MORE

Savannah River National Laboratory
Environmental Stewardship Directorate

For more information on the leading-edge achievements of the Savannah River National Laboratory,
please visit www.srs.gov/general/srnl



Savannah River
National Laboratory™

OPERATED BY SAVANNAH RIVER NUCLEAR SOLUTIONS