

*From Insulation Innovations  
to GSI-191 Compliance Solutions,  
PCI Has More Than  
40 years Of Expertise*



# PRODUCTS & SERVICES FOR THE NUCLEAR INDUSTRY

## Let PCI Help You With GSI-191 Compliance Solutions

*Our Large Flume Test Protocol (LFTP) is accepted by the NRC.  
Qualification with more debris settlement is now possible.*



### Sure-Trap™ Strainer Pre-Screen System

*Add Sure-Trap™ to your existing strainers to reduce bypass  
debris to minimize the potential blockage of your reactor  
fuel assembly cooling paths.*

### Sure-Flow® Strainers

*PCI has installed Sure-Flow® Strainers in 42 PWR nuclear plants and  
has been involved with Reg Guide 1.82 since 1977.*



**KAEFER** PCI



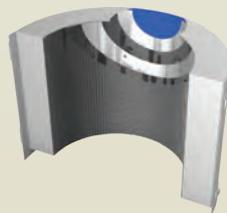
## Now The Best Reflective Metal Insulation In The World Is Made In The USA

### WE ALSO OFFER:

- Appendix B Metals
- "Safety-Related" Materials
- Metal Fabrication
- NUKON® Blankets



### Inquire About Our Non-Lead Radiation Barriers in Removable Insulation Systems



PCI ENGINEERED SYSTEMS GROUP

Call: 913-928-2800

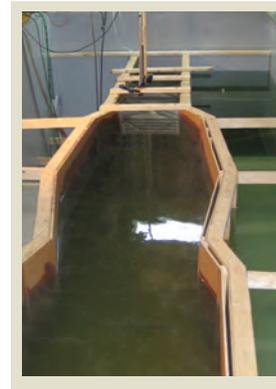
Visit: [www.PCIESG.com](http://www.PCIESG.com)

Email: [ESGSales@pcg.com](mailto:ESGSales@pcg.com)

# PCI ESG IS THE INDUSTRY LEADER WITH GSI-191 COMPLIANCE SOLUTIONS

We have gained acceptance from the NRC to implement Large Test Flume Protocol (LFTP). Qualification With More Debris Settlement is Now Possible.

The LFTP is the only protocol that the US NRC staff currently recognizes that allows debris settlement due to gravity during transport in a test flow stream that very conservatively models the last 20 to 30 feet of flow to the ECCS/CSS strainers.

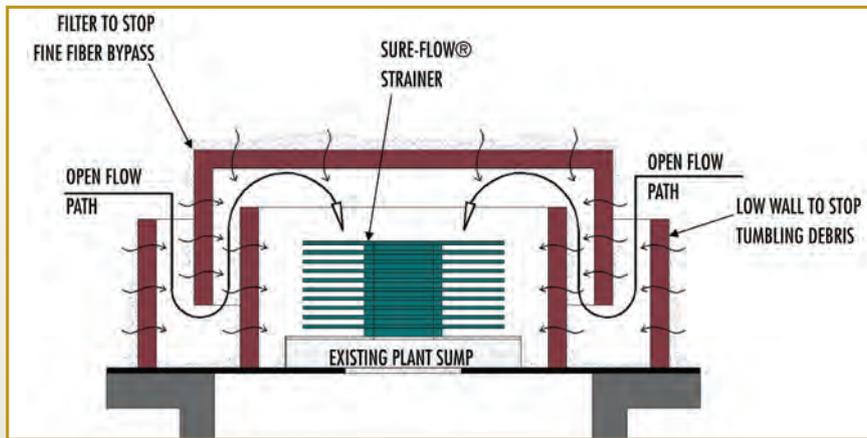


*We Customize Large Flume Tests to Meet Your Debris Qualifications*



## Sure-Trap™ Strainer Pre-Screen System

*Add Sure-Trap™ To Your Existing Strainers To Reduce Bypass Debris*



Sure-Trap™ is a series of filter panels positioned around a strainer that will trap fibrous debris, specifically FINE FIBROUS DEBRIS suspended in the water column and flowing to the strainers. Sure-Trap™ is intentionally designed with an open flow path that enables flow to continue to the ECCS/CSS strainers as the filter panels become clogged with debris. Sure-Trap™ is expected to show that the quantity of fibers reaching and bypassing the ECCS/CSS strainers will significantly reduce the quantity of fiber bypass in grams per fuel assembly. Contact us for more information!

## Sure-Flow® Strainers

Still the Industry Benchmark for Strainer Performance!

- Controls flow to all disks means predictable performance from qualification tests.
- Installed in 18 US PWR units; 24 PWR units internationally
- Installed in 16 US BWR units; 5 BWR units internationally

## Sure-Hold® Bands

PCI's Sure-Hold® Band System can help reduce the ZOI/debris generated and transported in a post-LOCA event for insulation systems.

## "SAFETY-RELATED" MATERIALS



- We Provide a Full Range of Insulation " Safety-Related" Materials and Accessories
- PCI Maintains Rigorous Standards and a Superior Quality Program

## NUKON® CONTAINMENT INSULATION



- NUKON® Provides Superior Performance and Durability Coupled With Ease of Removal and Installation
- NUKON® Blankets and Metal Jacketing Components are Designed and Fabricated to Fit Various-Sized Pipes

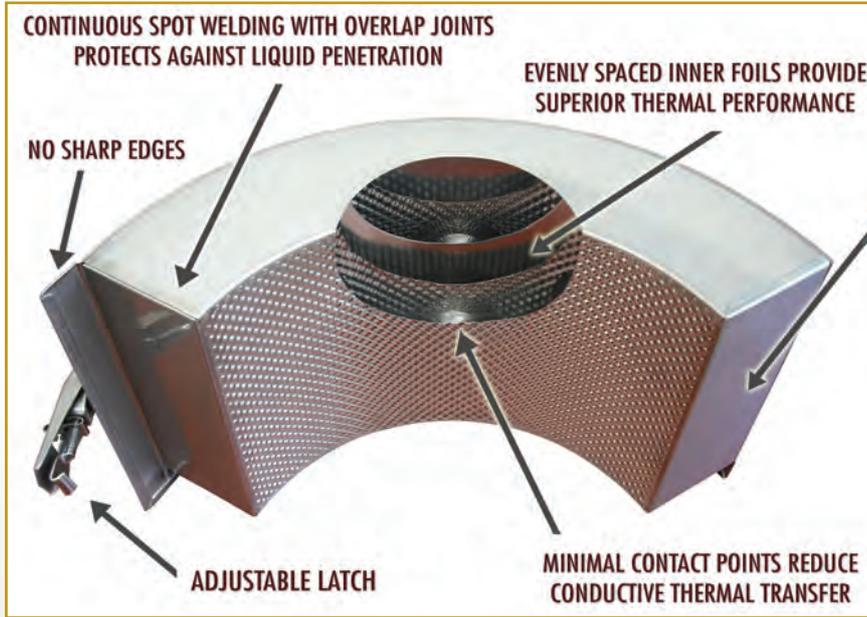
# NEW



## KAEFER PCI

# REFLECTIVE METAL INSULATION (RMI)

*The Best RMI in the World is Now Made in the USA*



**Tests have proven that our end-welded inner foil construction increases the thermal performance of our RMI by 13%-30% over non-welded designs!**

KAEFER PCI's reflective metal technology WILL meet the performance expectations of the specification and licensees. Other RMI fabricators may meet the specified heat loss in a test lab, but experience has shown RMI products currently available in the U.S. have not met the total expected thermal performance inside containment. This will cause high temperatures in containment and

create the need to add expensive chilling equipment. It will also cause a significant loss of power output that could generate millions of extra revenue dollars each year, if only the heat losses were captured and sent to the steam turbine to generate electricity. KAEFER PCI resolves this problem!



*KAEFER PCI, LLC has introduced a patent-pending expandable cassette that can address your thermal expansion issues. Please contact us for more details.*

## METAL FABRICATION & APPENDIX B METALS



- PCI Can Supply Fabricated Metal to 10 CFR50 Appendix B
- 7,000 Watt Laser Can Cut with Machine Shop Tolerances with Sheets up to 60" X 120"
- Laser Cuts Stainless Steel up to 1" and Carbon Steel up to 1"

## NUCLEAR QUALITY PROGRAM

The PCI Nuclear Quality Program is designed to serve the nuclear power industry, meeting 10 CFR 50 Appendix B and ASME NQA-1-2008. We accept 10 CFR Part 21 reporting responsibilities when applicable. We have been audited by NUPIC for many years and are on the Approved Suppliers List for most nuclear utilities in the United States and around the world.

Our program is compliant with ISO 9001:2008 for nuclear power work outside the U.S. We are a member of Nuclear Industry Assessment Committee (NIAC) and perform audits of nuclear suppliers for use by NIAC members as required.

CALL: 913-928-2800

VISIT: [www.PCIESG.com](http://www.PCIESG.com)

PCI is Ranked One Of *The Top 10 Specialty Contractors in the U.S.A.*

— ENR Magazine



INSTALLATION/SUPERVISION OF REFLECTIVE METAL INSULATION (RMI)



INSTALLATION/SUPERVISION OF NUKON® & CONVENTIONAL INSULATION SYSTEMS



INDUSTRIAL SCAFFOLDING



INDUSTRIAL CLEANING



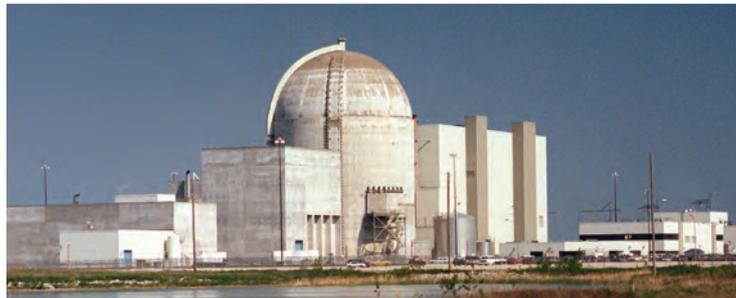
RIGGING



RAISED ACCESS FLOORING



ABATEMENT SERVICES



EXCEEDING YOUR EXPECTATIONS

*50+ Years Of Experience • 700+ Professional Staff  
 Averaging 10 Million Construction Man Hours Per Year*

Services Available  
 Nationwide



*50+ Locations  
 Throughout The U.S.*

**PCI SAFETY PROGRAM**

PCI consistently has one of the lowest EMRs in the country, due in large part to our innovative safety program, Target Zero. Our Target Zero Safety Program professionals provide employees with superior support, education, training and technical expertise regarding safety.