

# STATE OF THE STATE

DON COOK

PRINCIPAL SAFETY ENGINEER

PRESSURE VESSEL UNIT

Oakland CA 5/19/2015



**DAUGHTER OLIVIA COOK AT AGE 14!**

# DOSH MANAGEMENT

- Juliann Sum is the new DOSH Chief and is up for Senate confirmation.
- Working to obtain resources from the legislature to increase staffing.
- Big project to modernize the technology used by DOSH.

# PROCESS SAFETY MANAGEMENT

- PSM Unit has hired a large number of new engineers.
- No plan to change the relationship between PSM and PV Units.
- PV will remain responsible for Owner/User, RBI, and FFS program evaluations and technical reviews.
- PV supplies PSM with technical support.

# PV HIRING

- Currently have vacancies in Redding, Ventura, Bakersfield and Santa Ana areas.
- Applications have already been received.
- Testing to take place in June.
- If insufficient # of candidates, may be able to hire via TAU process.

# PV UNIT AIA

- Remain one of three states that act as an ASME Authorized Inspection Agency.
- Passed triennial audit last October.
- ASME now audits AI at time of each shop review.
- Continue to work with new shops.
- Have two Section X FRP shops.

# ASME NAMEPLATES

- Office gets inquiries on how to permanently remove an ASME nameplate.
- Working on a standard method to do it.
- Want to have R form go to NB to indicate the vessel no longer ASME.
- Prevent removed nameplate from becoming a “replacement” later.

# ASME IDEAS

- Proposal for new piping stamp under B31.1.
- Cover Piping Systems (CPS) for power generation.
- Non-boiler external piping.
- 4"  $\phi$  and larger main steam, hot & cold reheat, and feedwater piping.
- Also, any piping above 750°F or 1025psi.

# ASME PROPOSAL

- ASME internal policy has changed for document retention; they have thrown out all their records beyond 5 years. See CSP-38.
- Part certificate for Sections I, IV, and XII (in effect with 2015 Edition).
- Effort to re-write Section VIII using common rules approach.
- Modification of ASME Scope section.

# ASME & NBIC

- Effort underway to pull Pressure Relief Devices out of existing book sections into new stand alone books.
- ASME Section XIII.
- NBIC Part 4.

# CIRCULAR LETTERS

- We have new Circular Letters:
- PV-2015-1 Steam Boiler ASME Code Requirements.
- PV-2013-1 Oilfield Boiler Safety Valves.
- PV-2010-1 Solar Boilers.
- Posted on our website:
- <http://www.dir.ca.gov/dosh/pressure.html>

# CIRCULAR LETTER

- PV-2015-1 Steam Boiler ASME Code Requirements.
- Non-Code steam cleaners made from stainless steel with a small diameter vessel.
- Not the  $\frac{3}{4}$ " diameter type permitted in T8.
- Used in the food processing industry; steam clean wine barrels.

# CIRCULAR LETTER

- PV-2013-1 Oilfield Boiler Safety Valves:
- Oilfield recovery heaters are used remotely in oilfields to 1600psi.
- Require an ASME Code “V” stamped safety valve.
- Common problem is missing nameplates.
- Some repair companies have “VR”, others don't.

# CIRCULAR LETTER

- PV-2010-1 Solar Boilers:
- Details that a solar boiler is an actual boiler and requires all the appurtenances and safety devices a standard power boiler does.
- References ASME Code Case 1855-1 which allows Section VIII vessels to be used in a Section I system but requires an overall “S” or “A” stamp.

# NON-R STAMP HOLDER

- Had a company welding on steam boilers without an Inspector being involved.
- They were warned in 2012 with written letter from our office.
- Discovered in 2014 still doing welding when insurance inspector did permit inspection.
- Cal/OSHA issued citation for \$25,000.
- Company has since obtained an R stamp.

# WEBSITE DATABASE

The screenshot displays a web browser window with the URL <http://www.dir.ca.gov/databases/dosh-pv/DDS>. The page is the homepage for the California Department of Industrial Relations (DIR) Pressure Vessel Registration database. The header includes the DIR logo and navigation links for Home, Labor Law, Cal/OSHA - Safety & Health, Workers' Comp, Self Insurance, Apprenticeship, Director's Office, and Boards. A search bar is located in the top right corner.

## Pressure Vessel Registration database

Welcome to the OOSH Pressure Vessel Registration database. This database contains the following information: State Number, Inspection Agency, Permit Expires Date, Inspection Date, Company Name, Street, City, Zip, County, Year Built, Max Allow Working PSI, Board Nbr, Serial Nbr, Manufacturer Name, Diameter Inches, Location in Plant, State Local or Private Owner and Date information was last updated.

To search the database fill in one or more fields; for more information see instructions for searching.

State Number:  (e.g. A00973-01)

Board Number:

Manufacturer Serial No:

Company Name:  (D P C)

Address:

City:

County:

Zip:  (e.g. 90722)

Expiration:  (e.g. 11022010)

Sort By:

**Cal/OSHA**

- Quick Links**
  - File a workplace safety complaint
  - Learn about worker rights
  - Obtain a free consultation
- Cal/OSHA Branches & Units**
  - Branches**
    - Enforcement
    - Consultation
  - Units**
    - Amusement Rides and Trolleyway
    - Asbestos and Carcinogen
    - Crane
    - Elevator
    - Heat and Agriculture Program
    - High Hazard
    - Labor Enforcement Task Force
    - Legal and BDI
    - Mining and Tunneling
    - Pressure Vessel
    - Process Safety Management
    - Research and Standards
    - Other Units
- Educational Materials**
  - Cal/OSHA publications
  - Consultation eTools

The Windows taskbar at the bottom shows the system clock at 10:43 AM on 5/14/2015, along with several open applications including Outlook, Internet Explorer, and various PDF files.

# WEBSITE DATABASE

State of California  
Department of Industrial Relations

Pressure Vessel Registration - Results

This data is as of 5/13/2015

New search

Here are the results of your search (174 records)

ID	Inspector Agency	Permit Number	Inspection Date	Primary Name	Street	City	ZIP	County	Year Built	Max Allow Pressure	Body Mat	Size	Manufacturer Name	Design Code	Location	Max Temp Rating
A00000	STATE OF CALIFORNIA	9300279	10/10/14	STATE OF CALIFORNIA	100 STREET	SMYRNA	94964	San Diego	1982	15.1	11021	18"	WELER	15	INDUSTRIAL SHOP	5
A00001	Harold Green Book Reviews	9300016	03/03/14	STATE OF CALIFORNIA	4100 RULLE AVE	CHINO	91710	San Bernardino	1975	200	200	20"	WELER INDUSTRIAL	20	SOUTH HILL #	5
A00002	STATE OF CALIFORNIA	9300008	02/03/01	STATE OF CALIFORNIA	10000 SECURE LIFE AVE	IRVINE	92618	Tulare	1988	200	200	20"	MAAGHESTER	20	HARBORVIEW SHOP	5
A00003	STATE OF CALIFORNIA	9110007	9/11/04	STATE OF CALIFORNIA	10000 SECURE LIFE AVE	IRVINE	92618	Tulare	1988	171	20"	20"	ELLISON	16	SOUL AIR PORTABLE	5
A00004	Harold Green Book Reviews	9100019	7/10/01	STATE OF CALIFORNIA	10000 SECURE LIFE AVE	IRVINE	92618	Tulare	2001	200	400	20"	TRISTE	24	2000 FLUOR	5
A00005	STATE OF CALIFORNIA	9300008	02/03/01	STATE OF CALIFORNIA	10000 SECURE LIFE AVE	IRVINE	92618	Tulare	1988	200	200	20"	AB	17	2000 FLUOR	5
A00006	STATE OF CALIFORNIA	9710019	08/02/14	STATE OF CALIFORNIA	10000 SECURE LIFE AVE	IRVINE	92618	Tulare	2001	200	200	20"	TRISTE	24	2000 FLUOR	5
A00007	Harold Green Book Reviews	9300019	03/03/14	STATE OF CALIFORNIA	4100 RULLE AVE	CHINO	91710	San Bernardino	1988	200	200	20"	WELER PRODUCTS	20	SOUTH HILL #	5
A00008	Harold Green Book Reviews	9300016	03/03/14	STATE OF CALIFORNIA	4100 RULLE AVE	CHINO	91710	San Bernardino	1988	200	200	20"	WELER PRODUCTS	20	SOUTH HILL #	5
A00009	STATE OF CALIFORNIA	9100008	9/10/01	STATE OF CALIFORNIA	10000 SECURE LIFE AVE	IRVINE	92618	Tulare	1988	141	200	20"	WELER	15	41 MEMBERSHIP	5
A00010	Harold Green Book Reviews	9300019	03/03/14	STATE OF CALIFORNIA	4100 RULLE AVE	CHINO	91710	San Bernardino	1988	200	200	20"	WELER PRODUCTS	20	SOUTH HILL #	5
A00011	Harold Green Book Reviews	9300016	03/03/14	STATE OF CALIFORNIA	4100 RULLE AVE	CHINO	91710	San Bernardino	1988	200	200	20"	WELER PRODUCTS	20	SOUTH HILL #	5
A00012	STATE OF CALIFORNIA	9710019	08/02/14	STATE OF CALIFORNIA	10000 SECURE LIFE AVE	IRVINE	92618	Tulare	2001	200	200	20"	TRISTE	24	2000 FLUOR	5
A00013	STATE OF CALIFORNIA	9710019	08/02/14	STATE OF CALIFORNIA	10000 SECURE LIFE AVE	IRVINE	92618	Tulare	2001	200	200	20"	TRISTE	24	2000 FLUOR	5
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# WEBSITE DATABASE

- Data is automatically updated daily.
- Can search by: State #, Permit Expire Date, Company Name, Address, City, County, Zip Code, NB#, and Serial #.
- Can Sort By: Name, City, Address, Permit Expiration, Inspection Date.
- Output includes: State #, Insp Agency, Permit Expiration, Inspection Date, Company Name and Address, County, Year, NB#, Serial #, MAWP, Mfg Name, Diameter, Location in Plant, and PLS.

# WEBSITE DATABASE

- Note that just because there is an inspection date and an updated permit expire date doesn't mean a permit has been released.
- Permit date is when report is accepted. Could have unsafe condition or non-payment.
- Unassigned Inspection Agency means the tank is in "limbo", a 60 day hold until assigned to State.
- If report is rejected, database isn't updated.

# ORACLE DATABASE

- Currently have two “front-ends” for our system.
- Old one, PV Main, is installed on each computer.
- New version, PVERA, is web based application.
- Oracle will no longer support PV Main so migrating all forms to PVERA by July 1, 2015.

# BOILER EXTENSIONS

- We need to update which companies have been granted boiler extensions.
- Have multiple occurrences of company not having extension letter.
- Request that copies of all letters be sent to my attention by January 1, 2016. Should come from boiler owner.
- Will have confirmation from Inspection Agency.

# SAFETY ORDER RE-WRITE

- Forming committees to revise the Boiler, Air Tank, and LPG Safety Orders.
- First meeting scheduled for September 10, 2015 in Oakland.
- Will meet as one group first time and then split into areas of interest.
- Contact Don Cook if you want to participate.

# SAFETY ORDER RE-WRITE

- What we want to accomplish:
- Adopt the NBIC for both Subchapters 1 & 2.
- Adopt CSD-1 and NFPA 54 for boilers.
- Adopt latest edition of NFPA 58 for LPG.
- Take any requirements out of the definitions.
- Adopt NB VR requirements for PRD's.
- Boiler attendance and air tank internal inspection.

# SAFETY ORDER RE-WRITE

- Include Solar Boilers.
- Will need participation from industry, manufacturer's, insurance companies, and union members.
- Have the support of DOSH management and will have legal personnel involved in the beginning.

# SAFETY ORDER RE-WRITE

- Complete project prior to my earliest retirement date of 2020!



**THE COOK FAMILY**