



**U.S. CHEMICAL SAFETY AND
HAZARD INVESTIGATION BOARD**

SUBPOENA

CASE NAME: Chevron Richmond Refinery **CASE NO.:** 2012-03-I-CA

TO: Chevron U.S.A. Inc.

SERVE: Mark L Farley, Partnern, Pillsbury Winthrop Shaw Pittman, LLP

ADDRESS: 2 Houston Center | 909 Fannin | Suite 2000

Houston, TX 77010-1018

PURSUANT TO THE AUTHORITY of the U.S. Chemical Safety and Hazard Investigation Board and its Designee(s) ("Board") under 42 U.S.C. § 7412(r)(6)(C)(i), (L)(i) - (ii), and (M), YOU ARE HEREBY COMMANDED TO APPEAR before the Board on Friday, the 7th day of December, 2012, at 12:00 o'clock P M, prevailing local time. The address at which you are to appear is 1 Denver Federal Center Way, Building 20, Room A1419 Denver, CO 80225

YOU ARE FURTHER COMMANDED to bring with you at that time and place copies of all documents, data compilations, electronic transmissions however denominated, and all other tangible things that are in your custody or control, or to which you have access, that are or might be relevant to, or arises out of, the above referenced accident or incident. Specifically, you are required by this subpoena to bring with you the following documents or things: All records responsive to the CSB records list attached to this subpoena (Attachment 1 - Records)

Be advised, this is a subpoena duces tecum. In lieu of personally appearing with the items listed above, you can comply with this subpoena by causing the items to be delivered to the Board at the location stated above, no later than the date and time stated above.

YOUR FAILURE TO RESPOND FULLY AND TRUTHFULLY TO THE REQUIREMENTS OF THIS SUBPOENA MAY RESULT IN THE ISSUANCE OF AN APPROPRIATE ORDER OF A JUDGE OR MAGISTRATE JUDGE OF A UNITED STATES DISTRICT COURT, WHICH MAY INCLUDE AN ORDER TO ENFORCE AND/OR OTHER SANCTIONS.

YOU ARE FURTHER ADVISED THAT MAKING FALSE, OR FRAUDULENT STATEMENTS OR REPRESENTATIONS TO THE BOARD, ITS DESIGNEE(S) OR EMPLOYEE(S) OR KNOWINGLY DELIBERATELY WITHHOLDING OR DESTROYING RELEVANT EVIDENCE MAY SUBJECT YOU TO CRIMINAL PENALTIES UNDER 18 U.S.C. § 1001, AND OTHER LAWS OF THE UNITED STATES OF AMERICA.

Please review the instructions (Attachment – Instructions) for additional information. Questions concerning this subpoena should be directed to the Requester whose name and telephone number is given below.

Requester: Dan Tillema Telephone No: (202) 407-5176
Address: 1 Denver Federal Center Way
Building 20, Room A1419
Denver, CO 80225

THIS SUBPOENA is issued by Dan Tillema by authority of the U.S. Chemical Safety and Hazard Investigation Board, this 14TH day of Nov 20 12.

Dan Tillema
Issuer

RETURN OF SERVICE

I, the undersigned _____, hereby affirm under the penalties of perjury that I delivered a true copy of the foregoing subpoena to _____, the person named herein, or to _____, this _____ day of _____, 20____. I am over the age of 18 years, my business address is _____, and my telephone number is _____.

GIVEN under my hand and Seal this _____ day of _____, 20____.

Server

Chemical Safety and Hazard Investigation Board Subpoena Instructions

These instructions provide guidance for record submissions to the Chemical Safety and Hazard Investigation Board (CSB) in response to a CSB subpoena. Adherence to these instructions will lessen confusion and ensure that any records containing sensitive information (e.g., trade secrets, Confidential Business Information, etc.) are handled appropriately.

1. Submission of Records

The recipient must respond to the subpoena by submitting records responsive to each requested item in the subpoena, including all sub-requests. The submission must also include either a certification signed by the subpoena recipient or another authorized corporate official that all of the records requested have been provided, or a written identification of records not provided and explanation of why those records were not provided.

2. Master Index for Each Submission

All submissions should include a master electronic index provided in XLS format. At a minimum, this index should include the following information for all records submitted:

- Source File Name (if record is submitted in electronic format; for example: CSB00001.pdf)
- Box Number (if record is submitted in hard copy format)
- Title
- Brief Description
- Bates Range
- CSB Document Request Number (to which the record(s) being provided is responsive)
- Sensitivity (e.g., Trade Secret, Confidential Business Information, etc.)
- Number of Pages

3. Privilege Designations

Please identify any trade secrets, confidential business information, or otherwise sensitive information in the records being submitted to the CSB in the "Sensitivity" field of the index entry for each sensitive record, as well as with appropriate markings on each sensitive record itself.

4. Hard Copy (or Paper) Documents

The CSB strongly prefers that records be submitted in electronic form; however, hard copies are acceptable if no electronic form exists. All hard copy records must be delivered to the CSB in standard document boxes measuring 10 inches by 12 inches by 15 inches with a unique and consecutive number for each box, starting with CSB/[INSERT CASE NUMBER REFERENCED ON SUBPOENA]-0001. In addition, all hard copy documents should be detailed in the master index including a unique box number in which the document can be found noted in the "Box Number" field.

5. Technical Requirements for Electronic Submissions

For electronic submissions, the following electronic formats will be accepted:

- Scanned hard copy documents should be provided in a searchable PDF format.
- Electronic documents, such as word-processing documents, spreadsheets, and presentations, should be provided in searchable PDF format as well as in the native format with a reader program.*
- For data streams such as DCS data, the data should be provided in a machine readable format (TXT, CSV) and also in the native format with a reader program.*
- For audio files, the data should be provided in MP3 format as well as in the native format with a reader program.*
- For video files, the data should be provided in AVI format as well as in the native format with a reader program.*

***Native File Formats:**

Native format files require that the CSB has the associated software and any necessary licenses to access the files. Please notify the CSB's investigation records officer (contact information below) as soon as possible of any records to be produced from electronic files in any native format to make sure that the CSB has the capability to access and use the native format files. Password protection must be removed from all files. Additionally, please provide to the records officer a list of all native formats that will be provided to the CSB, and obtain confirmation from the records officer that the CSB has the appropriate software and licenses.

If your submission will include records that cannot be supplied in one of the acceptable formats listed above, please contact the CSB investigation records officer (Allen Smith, (202) 261-7638, allen.smith@csb.gov) as soon as possible to obtain guidance on an alternative submission method acceptable to the CSB.

6. Electronic Production in Lieu of Hard-Copy

For records that exist in both hard-copy and electronic form, if the records are produced to the CSB electronically in accordance with these instructions, the production of hard-copies of the same records will not be required, unless specifically requested by the CSB in order to properly interpret the record or in response to certain requests relating to unforeseen circumstances.

7. Physical Production

The CSB can accept electronic production loaded onto hard drives, CD-ROMs, or DVD-ROMs; however, it has been our experience that production on hard drives minimizes costs and delay. Other methods may be possible, but a direct feed or download is likely not a viable option for reasons similar to those that preclude other web-based solutions. The method chosen should be discussed with the CSB investigation records officer prior to production.

8. Bates Numbering Identification

Bates numbering should use a consistent format across the entire production. In general, Bates numbers should contain hyphens and no more than three segments: for example, a company identifier, a middle segment (e.g., custodian identifier), and a sequence number of 6-8 digits (the number of digits should be consistent across the entire production). Bates numbers should not contain embedded spaces (" "), slashes ("/"), backslashes ("\"), or underscores ("_"). Native format files should also be assigned a Bates

number; if images have been produced with a native format file, the beginning Bates number of the images should be the native format file's Bates number.

9. Sample Submission Prior to Full Production

In certain situations, a sample submission may be provided to the CSB for testing and comment, before beginning a full scale production. To minimize the likelihood of encountering problems during full production, the sample must be representative of an actual production, including multiple types of documents and documents with attachments. If you wish to propose a sample production, please contact the issuer of the Subpoena and the CSB Investigation Records Officer.

For any questions concerning the above guidance, please contact the CSB investigation records officer (Allen Smith, (202) 261-7638, allen.smith@csb.gov).

| Subpoena Request | Description |
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| CUSA-3SUBDOC01 | Any and all records pertaining to the Chevron Richmond Refinery ("Chevron") California Refining Guide. Some individuals have called this California Piping Guide. |
| CUSA-3SUBDOC02 | Any and all Chevron Best Practice documents that were in effect at any point between January 2005 and present. |
| CUSA-3SUBDOC03 | Any and all course materials from all courses taught by Chevron BIN leaders from January 2005 to present. |
| CUSA-3SUBDOC04 | Any and all Chevron sulfidation guidelines that were in effect at any time between January 1990 and present. |
| CUSA-3SUBDOC05 | Any and all Chevron new construction guidelines for construction of Crude column piping materials of construction, instrumentation, and other design features to prevent or mitigate sulfidation corrosion. Include specific material of construction requirements for 4SC piping. |
| CUSA-3SUBDOC06 | Any and all records associated with Richmond and/or Chevron corporate programs to HTHA following the 2010 Tesoro incident. |
| CUSA-3SUBDOC07 | Any and all records for the past sulfidation incidents listed in the September 30, 2009 ETC memo title "Updated Inspection Strategies for Preventing Sulfidation Corrosion Failures in Chevron Refineries" and in previously produced CUSA-CSB-0020506 Senior Analyst Inspector Training Document. |

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| CUSA-3SUBDOC08 | Any and all scope input forms, turnaround work list, including deferred work list, used in preparation for the 2002 crude unit turnaround. |
| CUSA-3SUBDOC09 | Any and all Richmond, CA Chevron Peer Review Reports created for all crude unit turnarounds from January 2000 to present. |
| CUSA-3SUBDOC10 | Any and All records associated with the design, inspection, analysis, and replacement of the line at the El Segundo refinery that was removed from service following the August 6, 2012 incident at Richmond. The CSB understands that this piping was identified as being in a similar service with similar thinning characteristics to the pipe that failed at Richmond. Include all records for both pre and post removal of the piping and metallurgy of replacement piping. |
| CUSA-3SUBDOC11 | Any and all incident investigation reports for incidents that were discovered to have occurred due to sulfidation corrosion in all Chevron refineries from January 1990 to present. |
| CUSA-3SUBDOC12 | Any and all technical documents issued to Chevron refineries from ETC from January 2007 to present. Include any implementation plans that resulted from recommendations contained within these documents. |
| CUSA-3SUBDOC13 | Any and all Chevron Richmond Refinery instructions pertaining to emergency response and/or leak response including but not limited to procedures used in the Emergency Operations Center and any associated training documents. |

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| CUSA-3SUBDOC14 | Any and all data and design details for the fire engine that was involved in the August 6 th , 2012 incident. |
| CUSA-3SUBDOC15 | Refinery mass balance and refinery mass daily balance for July 1, 2012 to August 6, 2012. |
| CUSA-3SUBDOC16 | OERI screen shots that capture the various scorecard categories that are being tracked/measured. |
| CUSA-3SUBDOC17 | OERI training documents that explain the tool, what information is being tracked, and who is responsible for monitoring and addressing OERI metrics. |
| CUSA-3SUBDOC18 | DCS data provided in 1DOC3 for the #4 Crude Unit as far back as historian data is available. |
| CUSA-3SUBDOC19 | Any and all records that document the sulfur percentage in the crude feed to the C1100 column including but not limited to lab data, MOCs, Best Practice documents and the basis for the Best Practice limits for the life of the No. 4 crude unit. |
| CUSA-3SUBDOC20 | Any and all records for the #4 S/C line on the El Segundo Refinery crude column including but not limited to MOC records, isometric drawings, orthographic drawings, pictures, and inspection records. |
| CUSA-3SUBDOC21 | Any and all records relating to the removal of the sidecut strippers from the C1100 atmospheric column including but not limited to MOCs, work orders, justification documents, and design documents. |

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| CUSA-3SUBDOC22 | Any and all documents that detail the blended crude feed diet including sulfur percentage for each crude slate for the life of the No.4 Crude Unit. |
| CUSA-3SUBDOC23 | Risk ranking spreadsheet of priority piping produced by materials and reliability intern Krysta Biniek in response to the 2009 ETC Sulfidation memo, provide spreadsheet in Excel format. |
| CUSA-3SUBDOC24 | Any and all records pertaining to guided wave instrumentation installed on #4 Sidecut including, but not limited to MOCs, work orders, data, and reports. |
| CUSA-3SUBDOC25 | Any and all records pertaining to Fixed Equipment Business Improvement Network Shaping Plans from 2002-2012. |
| CUSA-3SUBDOC26 | Any and all documents generated by the team consisting of Carol-Anne Laughlin, Hein Nguyen, and / or Roland Peterson during the preparation for the 2011 Richmond Crude Unit turnaround. |
| CUSA-3SUBDOC27 | Any and all source material and documents used for creation of presentation given in CUSA-CSB-0117388. |
| CUSA-3SUBDOC28 | Any and all records related with 4 Sidecut temperature changes including but not limited to MOCs, change justification, work orders, and hazard analysis. |
| CUSA-3SUBDOC29 | Any e-mails, including attachments sent from Dave Cooke, Matt Anderson, Jessica Stankiewicz, Yoji Yamamoto, or Ned Niccolls pertaining to API RP 939-C including but not limited to presentations, ballots, and draft versions. |

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| CUSA-3SUBDOC30 | Any and all documents post-incident pertaining to increased inspection for sulfidation in Chevron refineries and inspection results obtained from these inspections. Consider this a continuing request until the crude unit is started back up. |
| CUSA-3SUBDOC31 | Any and all documentation pertaining to replacement of piping due to sulfidation corrosion in the crude unit or RLOP including but not limited to inspection data, inspection recommendations and MOC records. |
| CUSA-3SUBDOC32 | Any and all training documents pertaining to inherently safer systems referenced in CUSA-CSB-0000734. |
| CUSA-3SUBDOC33 | Any and all publications authored or co-authored by Chevron employees regarding sulfidation, including "High Temperature Sulfidation Corrosion in Refining" by Edwin H. Niccolls and Jessica Stankiewicz, et. al |
| CUSA-3SUBDOC34 | Any and all records pertaining to hydrocarbon leaks and clamps in the refinery including leak database, database in Excel format that OERI pulls "Open Temporary Leak Repairs" metric from, and number of clamps in refinery since 2002. |
| CUSA-3SUBDOC35 | E-mail balloting records associated with the decision to not replace the 4 Sidecut piping during 2011 crude unit turnaround. |
| CUSA-3SUBDOC36 | Any and all records associated with Idea #1559. |

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| CUSA-3SUBDOC37 | Elevation drawings of C-1100 #4 side cut line |
| CUSA-3SUBDOC38 | Floor and Drainage Diagram for the #4 Crude Unit as well as for the entire refinery |
| CUSA-3SUBDOC39 | Drawing and photos depicting the internals of the C-1100 atmospheric column |
| CUSA-3SUBDOC40 | Topographical maps of entire Richmond refinery |
| CUSA-3SUBDOC41 | Any and all information pertaining to the fire hoses used in response to the August 6, 2012 fire by the Chevron fire department. Include hose size, available pressure, flow rate, and estimate of quantity of water used. |
| CUSA-3SUBDOC42 | Any and all records that describe the enhanced inspection program for Chevron facilities described by Nigel Hearne in the September 24, 2012 Chevron new conference. |

