### Appendix E

MAY - 5 2005

HEARING BOARD
BAY AREA AIR QUALITY
MANAGEMENT DISTRICT

MARY ROMAIDIS
CLERK
HEARING BOARD
BAY AREA AIR QUALITY
MANAGEMENT DISTRICT

# BEFORE THE HEARING BOARD OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

#### STATE OF CALIFORNIA

In the Matter of Docket No. 3492 10 THE AIR POLLUTION CONTROL OFFICER of the BAY AREA AIR QUALITY MANAGEMENT DISTRICT STIPULATED CONDITIONAL 11 ORDER FOR ABATEMENT Complainant, 12 (HEALTH AND SAFETY CODE VS. 13 SECTION 42451(b)) TESORO REFINING & MARKETING CO., GOLDEN **EAGLE REFINERY** Site No. B2758 16 Respondent.

The above-captioned matter is an "Accusation and Request For Conditional Order For Abatement" filed by Complainant, the Air Pollution Control Officer ("APCO") of the Bay Area Air Quality Management District ("District") against Respondent, Tesoro Refining & Marketing Co. ("Tesoro"). The APCO filed its Accusation on February 23, 2005, seeking an order from this Hearing Board requiring Tesoro to shut down a process unit known as the Fluid Coker Unit, Source S-806, unless Tesoro satisfies certain conditions. This Accusation was assigned Docket No. 3492.

On March 8, 2005, Tesoro filed a "Notice of Defense" and "Statement By Way Of Mitigation" requesting a hearing and expressly denying all allegations of the Accusation.

An initial hearing was held on April 7, 2005, and a further hearing was held on May 5, 2005. At both hearings, the APCO was represented by Assistant Counsel Alexander G. Crockett, Esq., and Tesoro

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### IMPLEMENTATION OF BACKUP SYSTEM FOR NO. 5 BOILER

- 3 Tesoro shall identify and evaluate the feasibility of implementing any and all appropriate technologies, processes, and/or equipment that could serve as a backup system for the No. 5 Boiler (Source S-903) as a means to accept and treat Coker flue gas emissions. Tesoro shall evaluate each identified alternative based on the following criteria:
  - effectiveness at preventing pollution and violations of applicable District a. regulations
  - Ъ. cost
  - any ancillary or indirect positive or negative impacts on Tesoro or the public health C. and welfare
  - d. time required for implementation
  - e. any other relevant factors identified by Tesoro or the APCO

Tesoro shall submit a status report to the Hearing Board presenting the pros and cons of each alternative evaluated, and proposing a preferred alternative, by July 1, 2005. Prior to submitting the status report, Tespro shall meet and confer with the APCO regarding the status report's contents. The Hearing Board may hold a hearing, upon its own motion or upon the request of any party, to consider and review the matters presented in the status report, including the preferred alternative.

4 After submission and review of the status report pursuant to Paragraph 3 above, Tesoro shall proceed to develop a detailed engineering proposal for the preferred alternative (or as otherwise required by further Order of the Board). By September 15, 2005, Tesoro shall submit a Final Engineering Report to the Hearing Board setting forth the final engineering proposal. The Final Engineering Report shall contain increments of progress to implement the preferred alternative (such as engineering, permitting, procurement of parts, installation and tie-in). Prior to submitting the Final Engineering Report, Tesoro shall meet and confer with the APCO regarding the Report's contents. Following submission of the Final Engineering Report, the Hearing Board shall hold a further hearing in this matter to review the Final Engineering Report and amend or modify this Order to require implementation of the

preferred alternative (or as otherwise ordered at the further hearing) along with the appropriate increments of progress and associated due dates.

Tesoro shall investigate the cause(s) of emissions violations that have occurred in connection with startup of the Coker/No. 5 Boiler, and shall take all appropriate corrective actions to address the cause(s) identified so that Coker-startup-related emissions problems do not recur. Tesoro shall complete its investigation and provide a status report to the Hearing Board on the cause(s) and the scheduled corrective actions taken (or to be taken) no later than July 1, 2005

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### INTERIM IMPROVEMENTS TO CURRENT BACKUP SYSTEM PENDING IMPLEMENTATION OF LONG-TERM CORRECTIVE SOLUTION

- Tesoro shall maintain the No. 5 Boiler (Source S-903), the No. 6 Boiler (Source S-904), the bypass line between them, and any associated equipment in such a condition that flue gas from the Coker can be bypassed from No. 5 Boiler to No. 6 Boiler in the shortest reasonable time. All reasonable measures shall be implemented by Tesoro to shorten the bypass time
- 7. Tesoro shall demonstrate compliance with the requirements of Paragraph 6 above by conducting a critical path analysis of the steps necessary to bypass Coker flue gas from the No. 5 Boiler to the No. 6 Boiler (including the preparation of a Program Evaluation and Review Technique (PERT) chart). For each step identified by the analysis, Tesoro shall document:
  - a. the measures it has taken or plans to take to reduce the time necessary to complete that step; and
- b why further steps to reduce the time further would not be reasonable.

  Tesoro shall submit a report containing this information to the Hearing Board no later than July 15, 2005
- If at any time the APCO believes that Tesoro is not in compliance with the requirements of Paragraph 6 above, the APCO shall notify Tesoro in writing of the area(s) in which the APCO contends that Tesoro's compliance is deficient, and the parties shall meet and confer in good faith, in person or by telephone, to attempt to resolve the APCO's concerns. Tesoro shall not be deemed in violation of Paragraph 6 before the APCO has provided Tesoro notice and the parties have met and conferred as

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- Tesoro shall repair and maintain the Electrostatic Precipitator on the No. 6 Boiler ("ESP" (Abatement Device A-11) such that the No. 6 Boiler is capable of handling the maximum reasonably anticipated volume of Coker flue gas without causing any violation of District regulations. If the No. 5 Boiler is out of service and Tesoro directs Coker flue gas to the No. 6 Boiler, and the No. 6 Boiler experiences violations of District regulations as a result of inadequate ESP abatement capacity, then Tesoro shall immediately shut down the Coker.
- By July 15, 2005, Tesoro shall document that the ESP currently has sufficient abatement capacity to handle the maximum reasonably anticipated volume of Coker flue gas without causing violations of District regulations.
- Tesoro shall improve and maintain the leak tightness of the No. 6 Boiler, the Coker flue gas bypass piping between the No. 5 Boiler and No. 6 Boiler, and all associated equipment, such that the APCO can carry out routine inspections and source (stack) testing at the No. 6 Boiler while firing Coker flue gas without having to wear Self-Contained Breathing Apparatus. Tesoro shall develop an inspection and testing protocol to demonstrate compliance with this requirement, and shall submit such protocol to the APCO by June 15, 2005, for review and approval
- Tesoro shall conduct weekly inspections of the No. 5 Boiler, the No. 6 Boiler, the bypass line between them, and any associated equipment, to provide that all equipment is in a condition such that flue gas from the Coker can be bypassed from No. 5 Boiler to No. 6 Boiler in the shortest reasonable time as required by Paragraph 6 above. Tesoro shall record the results of the inspections required by this Paragraph 12 in writing and shall maintain the records for a period of at least 5 years, from the date the record was created, and shall make the records available to the APCO upon request.
  - 13 Tesoro shall conduct monthly inspections of the No. 6 Boiler to provide that:
    - a. the No. 6 Boiler ESP is in a condition that will allow the No. 6 Boiler to be fired on Coker flue gas without causing violation of District regulations as required by Paragraph 9 above; and
    - b the No. 6 Boiler is in compliance with the CO leak tightness requirements of

Paragraph 11 above.

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Tesoro shall record the results of the inspections required by this Paragraph 13 in writing and shall maintain the records for a period of at least 5 years, from the date the record was created, and shall make the records available to the APCO upon request.

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## PREVENTATIVE MEASURES TO REDUCE POTENTIAL FOR UNCONTROLLED SHUTDOWN OF NO. 5 BOILER

- 14. Tesoro shall review and update its operating and maintenance procedures for the No. 5 Boiler as follows:
  - a. Tesoro shall review all No. 5 Boiler operating and maintenance procedures (including, without limitation, procedures relating to the Boiler's attemperation water and tube temperature monitoring systems) and identify any and all deficiencies for operating procedures by May 15, 2005 and for maintenance procedures by November 15, 2005.
  - b. Tesoro shall rewrite the No. 5 Boiler operating and maintenance procedures, as necessary to address any deficiencies for operating procedures, by June 15, 2005 and for maintenance procedures by December 15, 2005.
  - c. By June 15, 2005, all No. 5 Boiler operating procedures shall include a requirement that operators document each specific, discrete step completed by recording the date and time the step was completed and the initials of the operator who completed it. All procedures shall also include a requirement that all measurements required to be made by operators must be recorded and the records maintained for a period of at least 5 years from the date the record was created.
  - d. By June 15, 2005, Tesoro shall make available for the APCO's review and approval all revisions made to No. 5 Boiler operating procedures. By December 15, 2005, Tesoro shall make available for the APCO's review and approval all revisions to No. 5 Boiler maintenance procedures. Review of these procedures by

By May 15, 2005, Tesoro shall identify the key operating parameters and associated limits for the No. 5 Boiler and No. 6 Boiler, and shall implement a Documentation Program to record the key

being fired on Coker flue gas. The Documentation Program shall specify the frequency and method of

17. Beginning no later than May 15, 2005, Tesoro shall ensure that a management-level pursuant to Paragraph 16 above. This review shall meet the following requirements:

- a. The staff member that conducts the review shall certify in writing that the review was performed.
- b. The certification shall either:

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- i. state that each key operating parameter is in compliance with its associated limits and has been throughout the week reviewed; or
- ii. identify each key operating parameter that is not in compliance with its associated limits or was not at any time during the week reviewed, and state that the other key operating parameters are in compliance with all associated limits and have been throughout the week reviewed.

For each key operating parameter that is identified as being or having been out of compliance with any of its associated limits pursuant to subsection b.ii. of this Paragraph 17, the certification shall identify what steps have been taken and/or will

- be taken to address the situation and bring the parameter back within the limit involved.
- The certification shall identify all monitoring devices on the No. 5 Boiler and associated equipment that are inoperative or have been inoperative for greater than 24 hours during the week reviewed.
- d. The certification shall be reviewed by Tesoro's Environmental Manager or Refinery Manager, or by the person acting in the capacity of Environmental Manager or Refinery Manager should the Environmental Manager or Refinery Manager be unable to conduct such a review because of absence from the refinery, within one week following the date the certification is made. The person performing the review required by this subparagraph 17.d. shall mark the certification with their initials and the date of their review to indicate that they have reviewed the certification.
- e. Tesoro shall maintain copies of all such certifications for a period of at least 5 years from the date the record was created, and shall make them available to the APCO for inspection upon request.
- 18. Beginning no later than July 1, 2005, Tesoro shall implement a system (the "DCS system") to record electronically key operating parameters that are measured at the No. 5 Boiler and No. 6 Boiler.
- Any key parameters that are not electronically recorded at the No. 5 Boiler, and at the No. 6 Boiler when firing Coker flue gas, Tesoro shall record in the manner and method, and in such frequency, as set forth in the Documentation Program Tesoro is required to implement pursuant to Paragraph 16 above
  - 20. Tesoro shall notify the APCO:
    - a. whenever it discovers that any key operating parameter is not in compliance with any of its associated limits; and
    - b. whenever it commences preparations for bypassing Coker flue gas from the No. 5

      Boiler to the No. 6 Boiler

### IV.

### MISCELLANEOUS PROVISIONS

- The parties, or either of them, shall notify in writing, by an original and nine (9) copies, the 21
- 22. This Order may be modified or amended by further order of the Hearing Board.
- This Order is not intended to and shall not be construed to have the effect of permitting a 23. variance.
  - The Hearing Board shall retain jurisdiction of this matter. 24.
  - In addition to all reports to the Hearing Board required by the terms of this Order, Tesoro 25.
  - This Order shall become effective immediately upon the filing of this Order. 26.

Moved by: Christian Colline, P.E.

Seconded by: Terry A. Trumbull, Esq.

AYES: Christian Colline, P.E.; Allan R. Saxe, Esq.; Julio Magalhães, Ph. D.; Thomas M. Dailey, M.D.

NOES: None

NON-PARTICIPATING: None

Thomas M. Dailey, M.D., Chaj

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