

TABLE III.—Los Angeles County "firsts" in air pollution control

| Date placed in operation | Equipment                                                                                                                    | Cost in dollars | Remarks                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| January 1948.....        | Exhaust system with baghouse serving brass melting crucible furnaces.                                                        | 4,000           | First brass furnaces of this type to be controlled.                                                                                                          |
| August 1949.....         | Exhaust system and baghouse serving an electric steel melting furnace.                                                       | 2,500           | First electric steel furnace ever to be controlled with a baghouse.                                                                                          |
| February 1950.....       | Afterburner serving a coffee roaster.                                                                                        | 1,800           | First coffee roaster ever equipped with afterburner.                                                                                                         |
| June 1950.....           | Afterburner for a varnish cooking kettle.                                                                                    | 2,000           | First direct fired afterburner and the first really satisfactory control device on a varnish kettle.                                                         |
| August 1950.....         | Exhaust system and electric precipitator with waste heat boiler serving an open hearth steel melting furnace.                | 150,000         | First open hearth furnace to have satisfactory air pollution control equipment.                                                                              |
| November 1950.....       | Electric precipitator serving an aluminum dross recovery plant.                                                              | 30,000          | First dross recovery plant ever controlled by a precipitator.                                                                                                |
| December 1950.....       | Chemical plant to recover elemental sulfur from refinery waste hydrogen sulfide.                                             | 1,150,000       | First chemical plant in Los Angeles County to recover waste hydrogen sulfide gas and convert to elemental sulfur.                                            |
| January 1951.....        | Exhaust system, quencher, and baghouse serving two iron melting cupola furnaces.                                             | 15,000          | First iron cupola ever to be satisfactorily controlled.                                                                                                      |
| February 1951.....       | Baghouse serving a galvanizing kettle.                                                                                       | 1,000           | First baghouse to serve a galvanizing installation.                                                                                                          |
| May 1951.....            | Water spray cooler and baghouse filter serving an asphalt roofing paper saturator.                                           | 25,000          | First baghouse ever used to control oil mists from an asphalt roofing paper saturator.                                                                       |
| January 1952.....        | Electric precipitator serving an iron melting cupola.                                                                        | 40,000          | First electric precipitator ever used to control a gray iron melting cupola furnace.                                                                         |
| Do 1.....                | Exhaust system with electric precipitator serving 2 75-ton and 1 50-ton electric steel melting furnaces.                     | 650,000         | First satisfactory installation ever to control large electric steel melting furnaces.                                                                       |
| February 1952.....       | Peace-Anthony venturi-cyclone scrubber.                                                                                      | 25,000          | First ceramic frit smelter to be controlled satisfactorily.                                                                                                  |
| April 1952.....          | Exhaust system with afterburner and baghouse serving aluminum sweat furnace and a rotary aluminum chip dryer.                | 6,000           | First really satisfactory installation ever to control such nonferrous operations.                                                                           |
| February 1953.....       | Water scrubber serving galvanizing kettles.                                                                                  | 12,000          | First control device capable of controlling odors and gases from a galvanizing operation.                                                                    |
| Do 1.....                | Boiler firebox and crude oil absorber serving refinery waste water system.                                                   | 340,000         | First controls for a refinery waste water system in which separator is covered and collected gases are absorbed or incinerated.                              |
| June 1953.....           | Water scrubber coupled with electric precipitator for controlling fumes from fluxing of aluminum in a reverberatory furnace. | 45,000          | First such control system ever installed for the combined problem of fluoride and chloride fuming fumes.                                                     |
| July 1953.....           | Electrostatic precipitator serving an asphalt roofing paper saturator.                                                       | 40,000          | First 2-stage electrostatic precipitator ever installed to control a roofing paper saturator.                                                                |
| November 1953.....       | Water scrubber for control of fumes from airblown asphalt manufacture.                                                       | 45,000          | First installation ever to use a sea water scrubber.                                                                                                         |
| Do.....                  | Sour water oxidizer to convert odorous sulfides into water-soluble thiocarbonates.                                           | 30,000          | First installation for disposal of sulfides in effluent water as contrasted to standard method of burning to sulfur dioxide.                                 |
| December 1954.....       | Absorber unit employing gasoline as the absorbing medium for recovery of vapors collected from bulk loading of tank trucks.  | 40,000          | First installation of its type ever to be designed and installed.                                                                                            |
| Do.....                  | Vapor collection system for gasoline loading rack at refinery.                                                               | 30,000          | First vapor collection system to collect escaping hydrocarbon vapors released in bulk loading of gasoline into tanker trucks at loading racks in refineries. |
| January 1955.....        | Floating roof for effluent oil-water separator.                                                                              | 250,000         | First control of open effluent oil-water separator by covering the oil separation section with a rectangular designed floating roof.                         |
| April 1956.....          | Direct flame afterburner on a paint bake oven.                                                                               | 5,000           | First paint bake oven equipped with a direct flame afterburner to control emissions.                                                                         |
| Do.....                  | Direct flame afterburner serving meat smokehouse.                                                                            | 4,000           | First direct flame afterburner ever installed on a meat smokehouse.                                                                                          |