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7 Attorneys for EMHART INDUSTRIES, INC.,
KWIKSET LOCKS, INC., KWIKSET CORPORATION,
8 AND BLACK & DECKER INC. (U.S.), INC.

9
10 BEFORE THE CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

11
12 **IN THE MATTER OF RIALTO-AREA**
PERCHLORATE CONTAMINATION AT A
13 **160-ACRE SITE IN THE RIALTO AREA**

Case No. SWRCB FILE A-1824
DECLARATION OF EILEEN M. NOTTOLI
IN SUPPORT OF MOTION TO
DISQUALIFY SARWQCB ADVOCACY
TEAM FROM PROSECUTING CAO R8-
2005-0053 DUE TO CONFLICT OF
INTEREST AND BIAS
Date: March 28-30, 2007 and April 4-5,
2007

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19 I, Eileen M. Notolli, declare as follows:

20 1. I am an attorney at the law firm of Allen Matkins Leck Gamble Mallory &
21 Natsis LLP, counsel of record for Emhart Industries, Inc., Kwikset Locks, Inc., Kwikset
22 Corporation, and Black & Decker Inc. (U.S.), Inc. in the above-captioned action. I am a
23 member in good standing of the State Bar of California. I have personal knowledge of
24 the facts set forth in this Declaration and, if called as a witness, could and would testify
25 competently to such facts under oath.

26 2. I have reviewed the documents produced by the Santa Ana Regional Water
27 Quality Control Board ("Regional Board") relating to regulatory history of the so-called
28 McLaughlin Pit.

1 3. I prepared the table attached as Exhibit 1 which summarizes the documents
2 produced by the Regional Board relative thereto.

3 4. Attached as Exhibit 2 are true and correct copies of the documents
4 produced by the Regional Board relative thereto.

5 5. Attached as Exhibit 3 is a true and correct copy of Judge John F. Walter's
6 October 31, 2006 Order granting Defendants' Motion for Summary Judgment, or in the
7 Alternative, for Partial Summary Judgment [filed August 14, 2006; Docket No. 461 in the
8 matter *City of Colton v. American Promotional Events, Inc.-West, et al*, Case No. CV 05-
9 1479-JFW (SSx).

10 I declare under penalty of perjury under the laws of the State of California that the
11 foregoing is true and correct.

12 Executed on March 5, 2007, at San Francisco, California.

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Eileen M. Notolli

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EXHIBIT 1

Summary of RWQCB Statements on McLaughlin Pit

Date Bates Stamp	Document	Author	Statement
September 24, 1971 AS 163-165	WDR	Richard Doerr	Stating that discharge to "Imperious Evaporated Pond" is a new discharge and showing location on pond. Designed for 150 gallons per day.
September 27, 1971 AS 161	Apollo to SARWQCB	Richard Doerr	Chemicals in waste product: potassium nitrate, sulphur, dextrin, charcoal, steel aluminum, clay.
October 5, 1971 AS 156	SARWQCB to various agencies	Richard A. Bueermann	Cover letter of transmittal of Order 71-39 and RWD and information on chemical character of the waste. "Existing disposal operations, which consist of burning waste powder, are to be replaced with a liquid method to satisfy burning prohibitions administered by the San Bernardino County Air Pollution Control District."
October 5, 1971 AS 157-160	SARWQCB to Apollo	Richard A. Bueermann	Transmitting tentative Order 71-39. "The requirements simply require that no wastewater be allowed to penetrate the ground surface where it will percolate to the underlying groundwater table. Technical reports are required and are intended to monitor the efficiency of the impervious lining. Provision for measuring water depth in the pond is important and should be incorporated in the construction of the pond."
October 14, 1971 AS 155	SBC Flood Control District		"We find that the resolution specifies that the waste shall not be discharged to the permeable ground surface and this will not provide opportunity to degrade or pollute native ground waters."
October 29, 1971 AS 154	California Department of Public Health		"Industrial wastes are to be discharged into an impervious evaporation pond. Groundwater in the disposal area is a very important source of domestic water supply and must be protected. The requirements proposed are satisfactory. Your staff should thoroughly review plans of the proposed pond to determine that it is truly impervious and will effectively prevent percolation of these liquid wastes. "
November 2, 1971 AS 153	F&G to SARWQCB		No objection to tentative WDR.

Date Bates Stamp	Document	Author	Statement
November 15, 1971 AS 152	SWRCB, Chief Counsel, to SARWQCB	Cavin M. Craig	Requesting changes to Requirements 1 and 4 (see Order 71-39 below), change Provision 2 to read "Determination of compliance with requirements will be based on the following", and change Provision 2.b. to add "determination of" after addition and delete the word "periodic"
November 24, 1971 AS 001-003,148,149,150,151	WDR Order 71-39	SARWQCB	<p>SARWQCB finds that Apollo proposed to discharge 150 gallons per day of industrial wastes into "impervious evaporation ponds." Finding 1.</p> <p>Requirement 1: "There shall be no discharge of waste ... to areas which would allow percolation of waste." Order 1.</p> <p>Requirement 2: Transfer of wastes for ultimate disposal shall be made to an approved Class I disposal site or other facility approved by the executive officer. Order 2.</p> <p>Requirement 3: "Neither the treatment nor the discharge of waste shall cause a pollution."</p> <p>Requirement 4: "Neither the treatment nor the discharge of waste shall cause a nuisance."</p> <p>Technical reports submitted in accordance with Monitoring and Reporting shall be evaluated to determine compliance with Requirements 1, 2, and 3. Provision B. 2. a.</p> <p>"[D]etermination of compliance with Requirements 1, 2, 3, and 4 will be based on periodic inspections made by the staff of the board. Provision B.2.b.</p>
December 9, 1971 AS 145-147	Apollo to SARWQCB	Richard Doerr	<p>"[E]nclosing copy of impervious pond."</p> <p>Enclosing proposal from Dwight H. Williams for construction of a pond in accordance with Rialto Building Department requirements.</p>
January 12, 1972 AS 144	SARWQCB to Apollo	T. J. Homan	<p>Inspection on January 10, 1972 of newly constructed impervious pond. "The pond appears to be structurally sound and water tight, but did not contain a measuring device to determine water depth. The decant pipes for removal of floatable material are unsatisfactory and if use, would constitute a violation of the WDR. Removal of floatable material must be made in a manner to prevent the escape of the liquid waste."</p> <p>"[A]n accurate record should be kept showing the quantity of waste discharge to the pond and the amount of make-up water added when necessary. Water depth measurements should be taken before and immediately after addition of make-up water."</p>
December 27, 1973 AS 143	SARWQCB to Apollo	John M. Masadzinski	<p>Noting failure to submit technical reports.</p>

Date Bates Stamp	Document	Author	Statement
1975	State of California Office Memo	SAWRCB	Handwritten note (illegible)
October 27, 1976 AS 141	SARWQCB to Apollo	John C. Silva	Noting failure to submit technical reports.
September 29, 1977 AS 137-138	SARWQCB handwritten inspection notes	John C. Silva	"Pond lining appeared intact - no visible cracks (gumite material) same as used in swimming pool construction" Need freeboard limit in WDR.
October 5, 1977 AS 136	State of California memo	J.Z and Hisam	J. Z. Handwritten notes on revising WDR, including septic system because of large work force, and need for freeboard limit. Hisam: asking re analysis on septic system.
November 16, 1977 AS 135	SARWQCB to Apollo	Hisam A. Baqai	Order 71-39 required discharge of industrial wastes to "impervious tank." Need for further information including soils percolation report and volume of discharge. Seeking chemical analysis of septic effluent.
December 23, 1977 AS 134	SARWQCB to Apollo	Hisam A. Baqai	Noting no response received to November 16 letter and again requesting revised RWD.
December 28, 1977 AS 130	Apollo to SARWQCB	Richard Doerr	Requesting waiver of water percolation report because septic systems "have been working very good".
December 30, 1977 AS 131	Clinical Laboratory of San Bernardino		Assay of Apollo septic tank.
December 30, 1977 AS 128	Report of Waste Discharge	Richard Doerr	Noting existing discharge and 3000 gallons of industrial waste.
January 30, 1978 AS 133	SARWQCB to Apollo	Darrell J. Smith	RWD complete and draft WDR soon.
March 16, 1978 AS 126	SARWQCB to Apollo	James W. Andersen, EO	Transmitting tentative order 78-96 (not attached).

Date Bates Stamp	Document	Author	Statement
March 16, 1978 AS 127	SARWQCB to various agencies	James W. Andersen, EO	Transmitting tentative order 78-96 (not attached).
March 28, 1978 AS 125	F&G to SARWQCB	Robert Montgomery	Concurs with discharge requirements.
April 12, 1978 AS 124,015	DWR to SARWQCB	Richard E. Angelos	Comments that adequate horizontal distance should be kept between the point of waste discharge and any water source.
April 26, 1978 AS 123	State of California memo		Handwritten notation that copy of agenda sent to others.
May 12, 1978 AS 004	Agenda for Item 14, WDR 78-96	SARWQCB	Recommends adoption of Order No. 78-96. "Revision ... is necessary to implement the Water Quality Control Plan. The discharge overlies the Rialto Groundwater Subbasin and the limitation proposed comply with this subbasin's objectives. ... The industrial wastes may not be discharged in a manner which will allow the wastes to reach waters of the State."
May 12, 1978 AS 007,008, 016	WDR 78-96	SARWQCB	SARWQCB finds that Apollo submitted report of discharge of 3000 gallons per day of industrial waste to an impervious evaporation pond. Finding 1.a. "The discharge of wastes ... overlies the Rialto Groundwater Subbasin". Finding 3. "The discharge of industrial wastes shall not ... reach waters of the state." Order 3. "All industrial wastes removed from the facility shall be ... disposed of at an appropriate site." Provision 3.
May 15, 1978 AS 121	SARWQCB to Apollo	James W. Anderson, EO	Transmitting WDR Order 78-96 (not included)
May 15, 1978 AS 122	SARWQCB to various agencies	James W. Anderson, EO	Transmitting Order 78-96 to various agencies.
September 13, 1978 AS 140	State of California memo	GAA	Doerr thought quarterly report had been submitted but will mail out the freeboard report by September 14. Requested analysis and flows along with freeboard by September 29.
October 12, 1978 AS 139	SARWQCB	GAA	Telcon with Richard Doerr on what is required in reports. Expect reports Oct. 21.

Date Bates Stamp	Document	Author	Statement
February 23, 1979 AS 115, 116	SARWQCB handwritten notes		Inspection (illegible)
February 28, 1979 AS 114	SARWQCB to Apollo	Gary A. Angel	List of Class I disposal site. Liquid waste should be hauled off by certified hauler and final disposal site listed in next monitoring report
May 6, 1980 AS 112, 113	SARWCB notes on inspection	GDS	Pond is full of solids and Apollo to make arrangement to have pond emptied. October and January reports have been late due to clerical problems. Write letter if monitoring reports not received by May 28, 1980.
November 4, 1981 AS 111	SARWCB notes on inspection	GDS	Concern for lack of sampling of septic system. Noting 20-24" of freeboard.
March 3, 1983 AS 109, 110	Kurt Berchtold notes on his March 3, 1983 inspection	Kurt Berchtold	Plant had been closed from May - December. The evaporating pond had no freeboard and rainfall caused "minor" overflow (est. - 5 gallons).
March 7, 1983 AS 108	SARWQCB to Apollo	Kurt Berchtold	He inspected the pit on March 3, 1983 and found "minor overflow of the pond." Overflows are prohibited under the WDR. The WDR prohibits overflows of waste from the evaporation pond and discharge to pond when freeboard is less than one foot. Requesting that pumping of pond in a timely manner. Noting that monitoring reports were not submitted and requesting advance notice of plant closings.
May 21, 1984 AS 073, 074	Analytical Research Laboratories		Waste analysis per BKK specifications.
January 24, 1985 AS 105, 106	SARWQCB handwritten notes on inspection	B. Paine	Evaporation pond appeared to be in good shape. No cracks in the side wall. Pond not used for 18 months. Extra and inferior gun powder is burned. They want to remove water, sludge, and debris from pond so they can demolish pond. They are waiting for directive from county on proper disposal. Rescind WDR after pond is properly closed.

Date Bates Stamp	Document	Author	Statement
February 8, 1985 AS 104	State of California memo	RLH	Apollo called to seek a decrease in the frequency of sampling.
February 13, 1985 AS 103	Apollo to SARWQCB	Pedro D. Mergil	Requesting reduction of monitoring.
April 2, 1985 AS 101,102	SARWQCB letter to Apollo	James W. Anderson	Apollo must submit a revised monitoring plan to comply with Subchapter 15.
April 3, 1985 AS 100	SARWQCB letter to Apollo	James W. Anderson	Transmitting revised monitoring and reporting program.
April 26, 1985 AS 099	Apollo letter to SARWQCB	Ralph Apel	Impervious pond no longer in use. All sludge has been removed and waiting for permission to burn residue.
June 17, 1985 AS 098	SARWQCB Notes	RLH	Handwritten notes re telecom with Ralph Apel on contractor to burn waste.
August 20, 1985 AS 097	Apollo letter to Broco	Ralph Apel	Interest in Broco disposing of explosive waste in impervious pond. Concerned if pond dries it may result in "another auto-ignition."
August 21, 1985 AS 096	Apollo letter to SARWQCB	Ralph Apel	Broco can not take waste that will burn.
October 1, 1985 AS 095	SARWQCB letter to Apollo	Bruce C. Paine	Requesting submittal of closure plan for waste pond.
November 27, 1985 AS 162	SARWQCB draft letter to Apollo		Handwritten draft letter to Apollo requiring closure plan by October 31, 1985.
March 3, 1986 AS 094	Apollo letter to EPA	Ralph Abel	Seeking advice on disposal of waste.
March 3, 1986 AS 092,093	Biennial Hazardous Waste Report for 1983	Ralph Abel	2000 pounds of waste from manufacture of explosives.

Date Bates Stamp	Document	Author	Statement
July 10, 1986 AS 091	SARWQCB notes of inspection	MGA	Inspected site. Two feet of dried material visible. No longer manufacturing fireworks. Seeking company to dispose of waste. No action necessary.
July 11, 1986 AS 089	State of California Form	MGA	Handwritten notes re telecom from Ralph Apel of Apollo. Apollo in bankruptcy. Has received proposal from a contractor to burn waste in pond and stabilize the rest and haul it to a site.
July 15, 1986 AS 080-086	Apollo to Mark Adelson of the SARWQCB	Ralph Apel	Enclosing two proposals for pit closure. Asking if RWQCB know of other consultants for additional alternatives. Enclosing April 17 proposal from McLaughlin to close in place and March 5, 1986 proposal from Ron Barto to remove materials.
August 29, 1986 AS 077	Apollo to SARWQCB	Pedro Mergil	Request cessation of septic system as no employees at Apollo.
October 8, 1986 AS 076	SARWQCB to Apollo	Robert Holub	Approving of cessation of septic system monitoring. Closure of surface impoundment under Chapter 15 required with closure supervised and certified by a registered by a registered civil engineer or certified engineering geologist. Sampling required to determine if pit leaked before RWQCB can give closure. Request closure plan by October 23, 1986.
October 20, 1986 AS 075	Apollo to Robert Holub of SARWQCB	Ralph Apel	Exclusion of soil sampling at surface impoundment was an oversight. Will likely need approval from bankruptcy court to hire professional for closure plans.
July 24, 1987 AS 056-063	McLaughlin Enterprises letter to Bob Holub, SARWQCB	McLaughlin	Initial proposal for sampling to determine if pit leaked. Proposed 4 boreholes and sampling at 1, 10, 15, and 20 feet round the perimeter. Will sample for heavy metals and compare to hazardous waste thresholds. Enclosing waste sample analysis for BKK landfill. Reporting on metals, pH, cyanide, sulfide, chlorinated hydrocarbons. Lab noted that hazardous waste limits exceeded but waste water considered K044 explosive.
July 27, 1987 AS 064-070	McLaughlin Enterprises letter to EPA	McLaughlin	County Environmental Health Services Department had water removed from pit. Propose to burn and fix residual material, and bury 18 cubic yards on-site.

Date Bates Stamp	Document	Author	Statement
August 8, 1987 AS 053	State of California Inspection Report	DCB	Pit closed. Soil investigation to begin in two weeks.
August 11, 1987 AS 052	SARWQCB letter to McLaughlin	Gary M Litton, Chief	Approval for two samples instead of four to determine if Apollo waste pit leaked.
August 17, 1987 AS 050,051	McLaughlin Enterprises letter to Pioneer Consultants	McLaughlin	Request for driller.
September 1, 1987 AS 049	SARWQCB Notes	DCB	He met McLaughlin "to oversee the drilling of two soil sampling holes" at the Apollo waste pit. The driller was only able to "drill 11.1 feet (on the incline) when the anchor lock broke and they had to pull out leaving the job incomplete." "Sample #2 was 2-4 inches inside the vertical projection of the pit and 5 to 5.5 ft. below the bottom of the pit."
September 8, 1987 AS 031-035	McLaughlin Enterprises letter to Dan Brown, SARWQCB	McLaughlin	No difference between constituents in sample from the pit and 10 feet below the surface of the pit. The lack of contamination may be from either or both the swimming pool style of pit construction or the lack of solubility of the metallic constituents of the pit material.
September 8, 1987 AS 038-042	McLaughlin Enterprises letter to EPA	McLaughlin	Requesting permission to burn approximately 18 cubic yards of material. Sampling shows no apparent soil contamination.

Date Bates Stamp	Document	Author	Statement
September 21, 1987 AS 043-048	McLaughlin Enterprises letter to DHS, TSCD	McLaughlin	<p>Presenting data on metals from one sample in the pit and one sample "under the pit". Either Goodrich or Red Devil had built a "swimming pool style construction pit" and "dumped defective materials in the tank for years."</p> <p>Rialto Fire Department "demanded that the material be maintained damp."</p> <p>Concern that the material may have contaminated soil and/or groundwater.</p> <p>In August 1987, McLaughlin and Dan Brown of the SARWQCB took samples around the pit. SARWQCB concurred that neither soil nor groundwater have been contaminated. [only metals analyzed]</p> <p>No leakage of material in the ground for at least 11 (and possibly 37) years.</p>
September 21, 1987 AS 027-37	Draft letter from Gary Litton, Chief to McLaughlin	Gary Litton, SARWQCB	Hand written edits on draft letter concurring that pit did not leak "due to the impermeable type of construction of the pit."
September 22, 1987 AS 036	Draft letter from Gary Litton, Chief to McLaughlin	Gary Litton, SARWQCB	"As no contamination was found in the two samples taken within the influence of the pit, and as indicated by comparing he analytical results with background levels, we concur that no soil contamination form the pit has taken place. We believe that the lack of contamination was due to the impermeable type of construction of the pit."
September 23, 1987 AS 026	Notes	DCB	McLaughlin was told by SARWQCB that it would not accept encapsulation because of exceedances of TTLC limits. Will discuss waiver with JRB and GJT
November 23, 1987 AS 024,025	McLaughlin Enterprises letter to SBC DHS	McLaughlin GJT and KVB shown on distribution list	Proposal to handle material on bottom of "swimming pool style construction pit" 20 x 25 x 4 feet. SARWQCB (D. Brown) has not objected to encapsulation of material.
July 12, 1988 AS 021	SARWQCB	DAB	Facility closed. Surface impoundment appropriately closed. Rescind order.
January 3, 1991 AS 020	Letter transmitting tentative order 91-18 (not attached)	SARWQCB	Tentative order to rescind Order 78-96 because Apollo no longer operating.

Date	Document	Author	Statement
Bates Stamp February 28, 1991 AS 017-019	Letter transmitting WDR 91-18	SARWQCB Gerald Thibeault	SARWQCB rescinds Order 78-96 because Apollo Manufacturing no longer in operation.
Undated AS 107	Findings of WDRs & File Review	SARWQCB	Handwritten notes re Apollo WDR order 75-96 "Permit doesn't require proof that pond is impermeable."
Undated AS 022,023	SARWQCB Inspection handwritten notes	SARWQCB	SARWQCB did not rescind order because of need to close "surface impoundment or concrete pit." Property sold to Western Precast Products, Inc. which bought the property with the "stipulation that they would close the pit." "Consultant from Western Precast had wanted to encapsulate pit but was never given approval. Therefore, permits were obtained and contents of the pit burned. Ashes were appropriately disposed and pit covered over. Red Devil Fireworks, who are adjacent to Western Precast contracted to burn the material long with some of their own. ... With the closure of Apollo and the elimination of the material in the pit Waste Discharge Requirements should be rescinded."
Undated AS 054,055	Handwritten notes	SARWQCB	Western Precast assumed the investigation and cleanup of the pit when they bought property from Apollo.
Undated AS 071,072	Handwritten notes	SARWQCB	Discussed with McLaughlin method to sample. If no leakage, "our requirements have been met." Apollo no longer owns the waste pit. Discussed closure method with McLaughlin.
Undated AS 071,072	SARWQCB Inspection handwritten notes	DCB	Illegible
Undated AS 117-119			Handwritten note across Order 71-39 revised May 12, 1978.
Undated AS 009-112			Handwritten note across Order 78-96 rescinded by Order 91-78
Undated AS 013			Monitoring and Reporting Program for Apollo Maunf. Co.

Date Bates Stamp	Document	Author	Statement
Undated AS 120	SARWQCB	SARWQCB	Notice of exemption from CEQA
Undated AS 129			List of chemical analyses
Undated AS 132	State of California memo		Clinical Lab reporting chloride and TDS.
Undated AS 090	SARWQCB	MGA	Add Apollo to inspection list.
Undated AS 078-079			Can't read
Undated AS 087			Can't read

MGA – Mark G. Adelson

BCP – Bruce C. Paine

EXHIBIT 2

8.754

STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

REPORT OF WASTE DISCHARGE
Pursuant to Division 7 of the State Water Code

FOR USE OF REGIONAL BOARD
WRCB Form 200 Rec'd: 9-27-71
Duty Fee: \$100.00
Letter to Discharger: _____
Report Rec'd: _____
Effective Date: _____

(A) REPORT FROM:

Name: Apollo Manufacturing Co.
(Owner of Facility, Municipality, County, District, Firm or Individual)
Mailing Address: 3196 N. Locust P. O. Box 488
Rialto, California 92376
Telephone No.: 874-1671

(B) DESCRIPTION:

- I. WASTE DISCHARGE: (check)
- 1. New discharge (X)
 - 2. Existing discharge ()
 - 3. Increase in quantity of discharge ()
 - 4. Change in character of waste ()
 - 5. Change in place or method of disposal ()
 - 6. Exact location of point of disposal (describe) (attach map or sketch)

Description: Imperious Evaporated Pond
Location: Denoted by a red X on the map, enclosed will be the proposed location.

- II. WASTE TREATMENT FACILITIES: (check)
- 1. Construction of entirely new facilities (X)
 - 2. Enlargement of existing facilities ()
 - 3. Other (explain) _____

(C) TYPE OF WASTE DISCHARGE: (check)

- 1. Sewage only ()
- 2. Industrial wastes only (X)
- 3. Mixed sewage and industrial wastes ()
- 4. Solid wastes ()

CALIFORNIA REGIONAL
WATER QUALITY CONTROL BOARD

SEP 27

SANTA ANA

(D) QUANTITY OF WASTES:

- 1. Present flow (in mgd) _____
- 2. Design ~~flow~~ (in mgd) 150 gallon Per Day
- 3. Present population _____
- 4. Design population _____
- 5. Solid waste disposal site (in cubic yards) _____

(E) SOURCE OF WATER SUPPLY:

- 1. Surface () Ground () Amount _____
- 2. Name of Stream _____
- 3. Type - Water Rights Riparian () Appropriation () Permit or License ()
- 4. Municipal or utility service (X) San Bernardino County Water District

(F) AMOUNT OF FILING FEES - (See attached Fee Schedule)

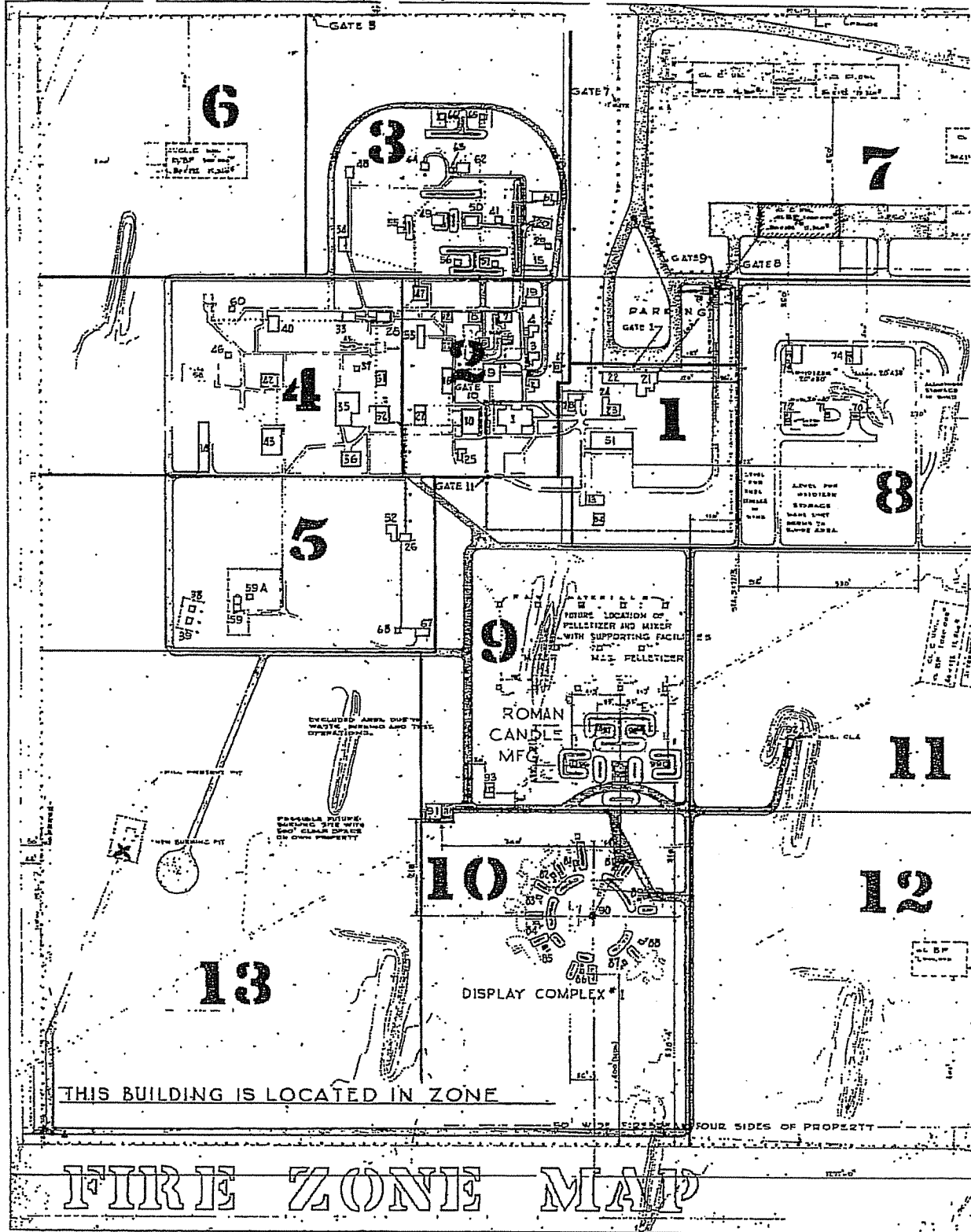
Amount of fee accompanying Preliminary Waste Discharge Report \$100.00

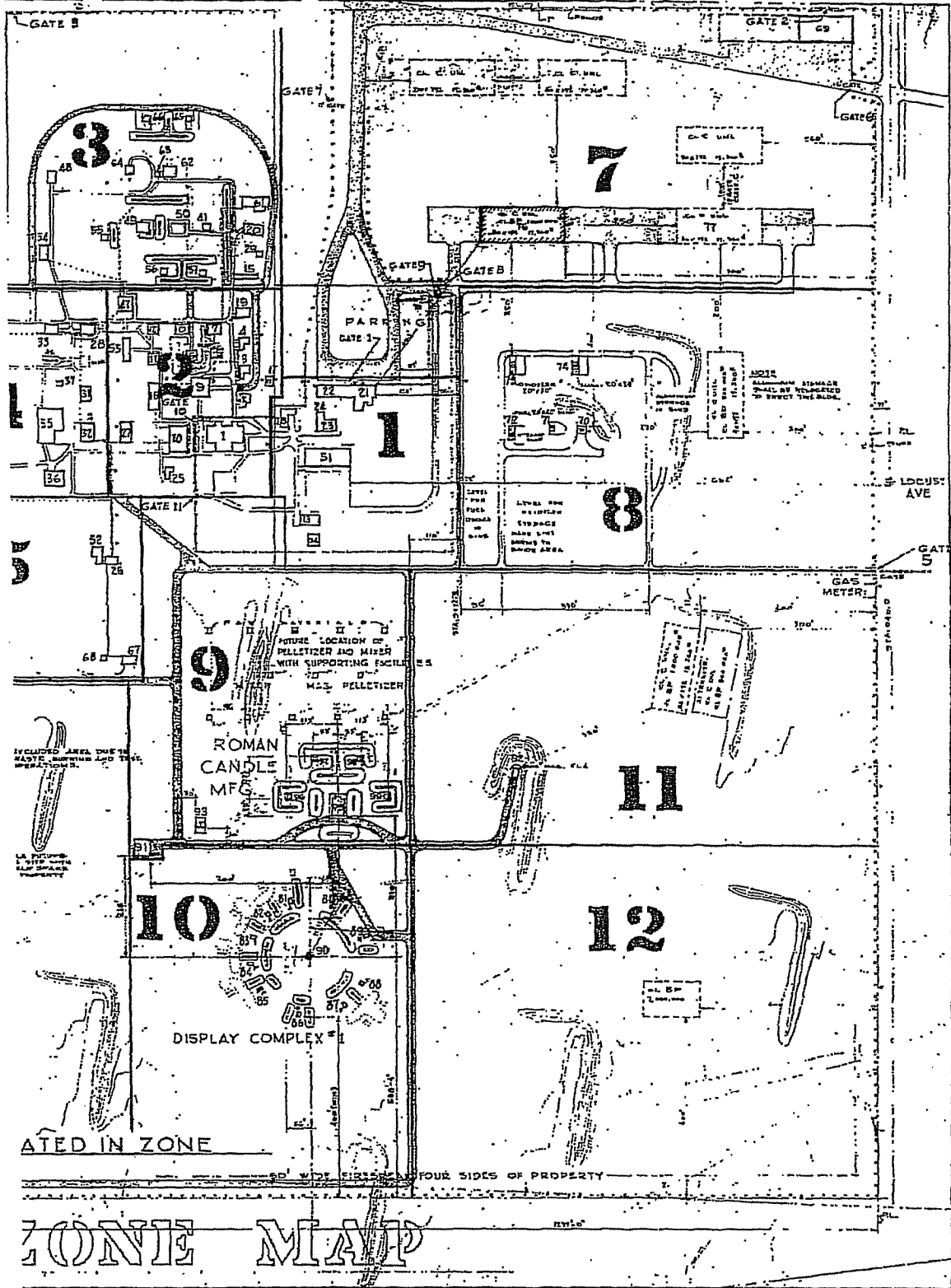
ALL OF THE STATEMENTS CONTAINED HEREIN ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND ARE SUBMITTED UNDER PENALTY OF PERJURY.

SIGNATURE OF AUTHORIZED PERSON Richard O. Davis
Title Safety Engineer
(Manager, Clerk, Engineer, Consultant, etc.)
Date September 24, 1971

You will be notified of the correctness of filing fee and submittal of any additional information deemed necessary to complete your Report of Waste Discharge pursuant to Division 7, Section 13260 of the State Water Code.

1 1/2 P OF APOLLO MF CO







September 27, 1971

Thomas J. Homan
Assoc. Water Quality
Control Engineer
6848 Magnolia Ave.
Riverside, Calif. 92506

Sir:

In reference to our conversation on Friday, September 24, 1971, the following is a list of chemicals that are found in our waste powder:

Potassium Nitrate
Sulphur
Dextrin
Charcoal
Steel
Aluminum
Clay

If any other information is needed please advise.

Richard C. Doerr
Richard C. Doerr

Safety Engineer

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

SEP 28 1971

SANTA ANA REGION

October 5, 1971

Appollo Manufacturing Company
P. O. Box 488
Rialto, California 92376

Attached for your review and comment is a tentative copy of Order 71-39 which places requirements on the discharge of liquid wastes from your manufacturing process.

The requirements simply require that no wastewater be allowed to penetrate the ground surface where it will percolate to the underlying groundwater table. Technical reports are required and are intended to monitor the efficiency of the impervious lining. Provisions for measuring water depth in the pond is important and should be incorporated in the construction of the pond.

If you have any questions regarding this matter, please contact us at any time. This matter will be brought before our board for formal adoption at its November 24, 1971 board meeting. Please submit any comments you may have prior to November 1, 1971.

RICHARD A. BUEERMANN
Executive Officer

Enc.

California Regional Water Quality Control Board
Santa Ana Region

TENTATIVE

Order 71-39

Waste Discharge Requirements
for
Appollo Manufacturing Company

The California Regional Water Quality Control Board, Santa Ana Region finds that:

1. The Appollo Manufacturing Company submitted a report on waste discharge dated September 27, 1971.
2. The Appollo Manufacturing Company proposes to discharge 150 gallons per day of industrial wastes into impervious evaporation ponds located on company property in the N 1/2 of the SW 1/4 of Section 21, T1N, R5W, SBB&M. The disposal site is in the Colton-Rialto Hydrologic Subarea.
3. The board adopted an Interim Water Quality Control Plan for the Colton-Rialto Hydrologic Subarea on June 9, 1971.
4. Beneficial uses of the groundwaters of the area include municipal and domestic water supply, industrial and agricultural water supply.
5. The board has notified the discharger and other interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
6. The board in a public hearing heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, the Appollo Manufacturing Company shall comply with the following:

A. WASTE DISCHARGE REQUIREMENTS:

1. The discharge of waste shall not be discharged, or caused to be discharged, to the permeable ground surface.
2. Transfer of wastes for ultimate disposal shall be made to an approved Class I disposal site or other facility approved by the executive officer.
3. The discharge of waste shall not cause a pollution.

4. The discharge of waste shall not cause a nuisance.

B. PROVISIONS:

1. The discharger shall comply with the Monitoring and Reporting Program No. 71-39.
2. Compliance with requirements will be based on the following:
 - a. Technical reports submitted in accordance with Monitoring and Reporting Program No. 71-39 shall be evaluated to determine compliance with Requirements (1), (2) and (3).
 - b. In addition, compliance with Requirements (1), (2), (3), and (4) will be based on periodic inspections made by the staff of the board.
 - c. The board will also consider any relevant information supplied to the staff or board.

I, Richard A. Bueermann, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Santa Ana River, on November 24, 1971.

RICHARD A. BUEERMANN
Executive Officer

California Regional Water Quality Control Board
Santa Ana Region

MONITORING AND REPORTING PROGRAM 71-39
for
APPOLLO MANUFACTURING COMPANY

1. Reports shall summarize activities during each month of a calendar quarter and shall be submitted by the 10th day following each reporting period (April 10, July 10, October 10, and January 10).
2. The daily average flow shall be determined for each month.
3. A determination of the depth of waste in the evaporation pond shall be made on the first working day of each month.
4. When ultimate disposal is made by transfer to an approved Class I site, a report shall be submitted prior to such transfer for the approval of the executive officer.
5. The above requested reports shall be signed by a responsible officer of the Appollo Manufacturing Company and shall be submitted under penalty of perjury.

Ordered by _____

RICHARD A. BUEERMANN
Executive Officer
11-24-71

October 5, 1971

State Department of Water Resources
State Department of Fish & Game
State Department of Public Health, LA
State Department of Public Health, San Bernardino
San Bernardino County Health Department
San Bernardino County Flood Control District
San Bernardino County Air Pollution Control District
San Bernardino Valley Municipal Water District
Santa Ana Watershed Planning Agency
State Water Resources Control Board - Legal Division
State Water Resources Control Board - Division of Water Quality

Attached for your review and comment is a copy of tentative Order 71-39 prescribing waste discharge requirements for the Appollo Manufacturing Company. Also attached is the report on waste discharge fees and information on the chemical character of the waste discharge.

The Appollo Manufacturing Company manufactures fireworks under the Red Devil trade name. Existing disposal operations, which consist of burning waste powder, are to be replaced with a liquid method to satisfy burning prohibitions administered by the San Bernardino County Air Pollution Control District. The liquid method will consist of an evaporation pond in which the wasted powder will be deposited. The charcoal will be removed from the water surface, the saltpeter will go into solution, and the inert ingredients will settle to the bottom of the pond.

This matter is scheduled for board action at its November 24, 1971 meeting. Please submit any comments you may have prior to November 1, 1971.

RICHARD A. REEFMAN
Executive Officer

Attachments

San Bernardino County
FLOOD CONTROL DISTRICT



W. A. SIDLER, Flood Control Engineer

825 E. Third Street
San Bernardino, California

MAILING ADDRESS:
Post Office Box 1318
San Bernardino, Calif. 92402

October 14, 1971

California Regional Water Quality Control Board
Santa Ana Region
6848 Magnolia Avenue Suite 14
Riverside, California 92506

Re: Appollo Manufacturing Co.
Tentative Order # 71-39

Attention: Mr. Richard Bueerman
Executive Officer


Gentlemen:

We have reviewed the above referenced tentative order # 71-39 regarding Appollo Manufacturing Company. We find that the resolution specifies that the waste shall not be discharged to the permeable ground surface and this will not provide opportunity to degrade or pollute native ground waters. In this matter we concur with the intent of the resolution.

We appreciate the opportunity to offer comments regarding these matters.

Yours very truly,

W. A. SIDLER
Flood Control Engineer

By 
Henry S. Bates
Chief, Planning Division

AAL:ab

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

OCT 16 1971

SANTA ANA REGION

AS 155

DEPARTMENT OF PUBLIC HEALTH

Bureau of Sanitary Engineering
 Room 209 State Building
 303 West Third Street
 San Bernardino, California 92401



October 29, 1971

California Regional Water Quality Control Board
 Santa Ana River Region
 6848 Magnolia Avenue, Suite 14
 Riverside, California 92506

Subject: Waste Discharge
 Requirements - Apollo
 Manufacturing Company,
 Rialto

Attention: Mr. R. A. Bueermann
 Executive Officer

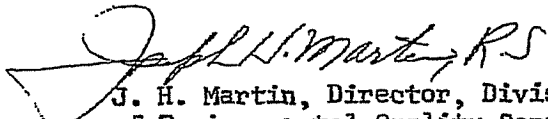
Gentlemen:


The tentative waste discharge requirements for the Apollo Manufacturing Company, Rialto vicinity, have been reviewed by the State and San Bernardino County Departments of Public Health as requested in Mr. Bueermann's letter of October 5, 1971.

Industrial wastes are to be discharged into an impervious evaporation pond. Groundwater in the disposal area is a very important source of domestic water supply and must be protected. The requirements proposed are satisfactory. Your staff should thoroughly review plans of the proposed pond to determine that it is truly impervious and will effectively prevent percolation of these liquid wastes.

In the interest of protecting the health of the public, it is necessary that breeding of mosquitoes, flies and other vectors of public health significance, inasmuch as it results from plant operation and disposal, shall be controlled.

Very truly yours,


 J. H. Martin, Director, Division
 of Environmental Quality Control
 San Bernardino County
 Department of Public Health


 S. G. Kalichman
 Senior Sanitary Engineer
 Bureau of Sanitary Engineering

SGK:ol

cc: San Bernardino Co. Dept. of Public Health
 Department of Water Resources
 Department of Fish and Game

CALIFORNIA REGIONAL WATER
 QUALITY CONTROL

507 E - 3571

SANTA ANA REGION

AS 154

Memorandum

To : Richard A. Bueermann, Executive Officer
California Regional Water Quality Control Board
Santa Ana River Basin
6848 Magnolia Ave., Suite 14
Riverside, California 92506

Date: November 2, 1971

From : Department of Fish and Game, Region 5, Long Beach

Subject: Order 71-39 - Apollo Manufacturing Company - San Bernardino County

We have reviewed the tentative requirements prescribed for discharge of industrial wastes by Apollo Manufacturing Company. The discharge site is located on the company property in the SW $\frac{1}{4}$ of Section 21, T1N, R5W, SBB&M.

We have no objection to the requirements.

George C. Shandale

ROBERT D. MONTGOMERY
Regional Manager
Region 5

cc: Dept. of Water Resources
Dept. of Public Health
Environmental Services - Sacto
Capt. Shebley

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

NOV 8 - 1971

SANTA ANA REGION

Memorandum

To : California Regional Water
Quality Control Board
Santa Ana Region
Riverside, California

Date : November 15, 1971

Attention: Mr. Richard A. Bueermann
Executive Officer

From : STATE WATER RESOURCES CONTROL BOARD

Subject: Tentative waste discharge requirements
for Appollo Manufacturing Company

The following are comments on the subject draft requirements:

Requirement No. 1 should be reworded to read:

There shall be no discharge of waste to surface waters, surface water drainage courses or to areas which would allow percolation of waste.

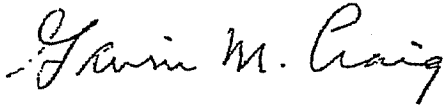
Requirement No. 4. The following wording should be added to control possible nuisance:

"Neither the treatment nor the discharge shall cause a nuisance."

Provision 2. Reword to read:

Determination of compliance with requirements will be based on the following:

Provision 2b. After "addition", insert "determination of". Delete the word "periodic".



Gavin M. Craig
Chief Counsel

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

NOV 18 1971

SANTA ANA REGION

California Regional Water Quality Control Board
Santa Ana Region

Order 71-39

Waste Discharge Requirements
for
Apollo Manufacturing Company

The California Regional Water Quality Control Board, Santa Ana Region finds that:

1. The Apollo Manufacturing Company submitted a report on waste discharge dated September 27, 1971.
2. The Apollo Manufacturing Company proposes to discharge 150 gallons per day of industrial wastes into impervious evaporation ponds located on company property in the N 1/2 of the SW 1/4 of Section 21, T1N, R5W, SBB&M. The disposal site is in the Colton-Rialto Hydrologic Subarea.
3. The board adopted an Interim Water Quality Control Plan for the Colton-Rialto Hydrologic Subarea on June 9, 1971.
4. Beneficial uses of the groundwaters of the area include municipal and domestic water supply, industrial and agricultural water supply.
5. The board has notified the discharger and other interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
6. The board in a public hearing heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, the Apollo Manufacturing Company shall comply with the following:

A. WASTE DISCHARGE REQUIREMENTS:

1. There shall be no discharge of waste to surface waters, surface water drainage courses or to areas which would allow percolation of waste.
2. Transfer of wastes for ultimate disposal shall be made to an approved Class I disposal site or other facility approved by the executive officer.
3. Neither the treatment nor the discharge of waste shall cause a pollution.

RBSA_5098

AS 001

4. Neither the treatment nor the discharge of waste shall cause a nuisance.

B. PROVISIONS:

1. The discharger shall comply with the Monitoring and Reporting Program No. 71-39.
2. Determination of compliance with requirements will be based on the following:
 - a. Technical reports submitted in accordance with Monitoring and Reporting Program No. 71-39 shall be evaluated to determine compliance with Requirements (1), (2) and (3).
 - b. In addition, determination of compliance with Requirements (1), (2), (3), and (4) will be based on periodic inspections made by the staff of the board.
 - c. The board will also consider any relevant information supplied to the staff or board.

I, Richard A. Bueermann, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Santa Ana River, on November 24, 1971.

RICHARD A. BUEERMANN
Executive Officer

California Regional Water Quality Control Board
Santa Ana Region

MONITORING AND REPORTING PROGRAM 71-39
for
A POLLO MANUFACTURING COMPANY

1. Reports shall summarize activities during each month of a calendar quarter and shall be submitted by the 10th day following each reporting period (April 10, July 10, October 10, and January 10).
2. The daily average flow shall be determined for each month.
3. A determination of the depth of waste in the evaporation pond shall be made on the first working day of each month.
4. When ultimate disposal is made by transfer to an approved Class I site, a report shall be submitted prior to such transfer for the approval of the executive officer.
5. The above requested reports shall be signed by a responsible officer of the Apollo Manufacturing Company and shall be submitted under penalty of perjury.

Ordered by _____

RICHARD A. BUEERMANN
Executive Officer
11-24-71

RBSA_5100

AS 003

California Regional Water Quality Control Board
Santa Ana Region

Order 71-39

Waste Discharge Requirements
for
Apollo Manufacturing Company

The California Regional Water Quality Control Board, Santa Ana Region finds that:

1. The Apollo Manufacturing Company submitted a report on waste discharge dated September 27, 1971.
2. The Apollo Manufacturing Company proposes to discharge 150 gallons per day of industrial wastes into impervious evaporation ponds located on company property in the N 1/2 of the SW 1/4 of Section 21, T1N, R5W, SBB&M. The disposal site is in the Colton-Rialto Hydrologic Subarea.
3. The board adopted an Interim Water Quality Control Plan for the Colton-Rialto Hydrologic Subarea on June 9, 1971.
4. Beneficial uses of the groundwaters of the area include municipal and domestic water supply, industrial and agricultural water supply.
5. The board has notified the discharger and other interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
6. The board in a public hearing heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, the Apollo Manufacturing Company shall comply with the following:

A. WASTE DISCHARGE REQUIREMENTS:


1. There shall be no discharge of waste to surface waters, surface water drainage courses or to areas which would allow percolation of waste.
2. Transfer of wastes for ultimate disposal shall be made to an approved Class I disposal site or other facility approved by the executive officer.
3. Neither the treatment nor the discharge of waste shall cause a pollution.

4. Neither the treatment nor the discharge of waste shall cause a nuisance.

B. PROVISIONS:

1. The discharger shall comply with the Monitoring and Reporting Program No. 71-39.
2. Determination of compliance with requirements will be based on the following:
 - a. Technical reports submitted in accordance with Monitoring and Reporting Program No. 71-39 shall be evaluated to determine compliance with Requirements (1), (2) and (3).
 - b. In addition, determination of compliance with Requirements (1), (2), (3), and (4) will be based on periodic inspections made by the staff of the board.
 - c. The board will also consider any relevant information supplied to the staff or board.

I, Richard A. Bueermann, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Santa Ana River, on November 24, 1971.



RICHARD A. BUEERMANN
Executive Officer

California Regional Water Quality Control Board
Santa Ana Region

MONITORING AND REPORTING PROGRAM 71-39
for
A POLLO MANUFACTURING COMPANY

1. Reports shall summarize activities during each month of a calendar quarter and shall be submitted by the 10th day following each reporting period (April 10, July 10, October 10, and January 10).
2. The daily average flow shall be determined for each month.
3. A determination of the depth of waste in the evaporation pond shall be made on the first working day of each month.
4. When ultimate disposal is made by transfer to an approved Class I site, a report shall be submitted prior to such transfer for the approval of the executive officer.
5. The above requested reports shall be signed by a responsible officer of the Apollo Manufacturing Company and shall be submitted under penalty of perjury.

Ordered by


RICHARD A. BUEERMANN
Executive Officer
11-24-71

~~AS~~ 71-39

Item

71-39

Discharger	Apollo Manufacturing Company
Waste	Liquid Wastes from the manufacturing of fireworks which contain high concentrations of nitrate.
Quantity	Approximately 150 gallons per day
Location	N1/2 of the SW 1/4 of Section 21, T1N, R5W, SBBEM, North of Highland Avenue near Locust Avenue in Rialto. The site is located in the Colton - Rialto Hydrologic Subarea.
Receiving Waters	Groundwaters of the Colton-Rialto groundwater basin. However, discharge is to impervious evaporation pond.
Beneficial Uses of Underlying Groundwater	Domestic, municipal, industrial and agricultural supply
Summary of Requirements	<ol style="list-style-type: none">1. No discharge to the ground2. Ultimate disposal to an approved site3. no pollution4. no nuisance
Comments from Cooperating Agencies	No adverse comments or objections have been received.
Staff Comments	Recommend adoption as presented.



con. file

December 9, 1971

Calif. Regional Water Quality Control Board
Santa Ana Region
6848 Magnolia Avenue
Riverside, California 92506

ATTN: Mr. Richard A. Buesmann, Executive Officer

Dear Sir:

In reference to your letter dated November 29, 1971, we are enclosing a copy of the impervious pond.

If you need additional information, please advise.

Yours Truly

A handwritten signature in cursive script that reads "Richard E. Doerr".

Richard E. Doerr
Safety Engineer

RCD/mw
Encl.

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

DEC 11 1971

SANTA ANA REGION

AS 145

Proposal

Page No. _____ of _____ Pages

DWIGHT H. WILLIAMS, INC.

Swimming Pools
P. O. Box 511 Rialto, California 92375
Phone 375-1152

PROPOSAL SUBMITTED TO Appleton Electric Co., Inc.		PHONE 375-1152	DATE December 7, 1971
STREET 3706 W. Locust Street		JOB NAME	
CITY, STATE AND ZIP CODE Rialto, California		JOB LOCATION see above	
ARCHITECT	DATE OF PLANS	JOB PHONE	

We hereby submit specifications and estimates for: Construction of a 20' x 20' x 4'00" deep gunite reservoir to be built in accordance with City of Rialto Building Department requirements. Surface to be plastered to make unit leak proof. Proposal includes engineered plan, ~~excavation~~ excavation, grading around perimeter, steel #3 core 12" O/C with 4 bar #3 bond beam, gunite labor & materials & plaster coat including bond beam.

Proposed Price \$1787.00

Payment Schedule:- Completion of guniting -- \$900.00
Completion of plastering 887.00

Owner agrees to wet gunite for 5 days 3 or 4 times daily

SANTA ANA REGIONAL WATER QUALITY CONTROL BOARD

DEC 11 1971

SANTA ANA REGION

Not Responsible For Unforeseen Underground Objects.

We Propose hereby to furnish material and labor — complete in accordance with above specifications, for the sum of:

On Completion of: Guniting -
Decking & or Filter Systems -
Tie & Coping or Cantilever Decking -
All Other Work -
dollars (\$ 1787.00)

Payment to be made as follows: see above

SEVENTEEN HUNDRED EIGHTY SEVEN DOLLARS

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature Dwight H. Williams
Note: This proposal may be withdrawn by us if not accepted within 120 days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: 12-9-71

Signature [Signature]
Signature [Signature]

Proposal

Page No. of Pages

DWIGHT H. WILLIAMS, INC.

Swimming Pools

P. O. Box 511

Rialto, California 92376

Phone 875-1188

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

DEC 11 1971

PROPOSAL SUBMITTED TO <i>Apple Valley County Co., Inc.</i>	PHONE <i>875-1188</i>	DATE <i>SANTA ANA REGION December 11, 1971</i>
STREET <i>3104 No. JACOBEN Street</i>	JOB NAME	
CITY, STATE AND ZIP CODE <i>Rialto, California</i>	JOB LOCATION <i>SUB. POOL</i>	
ARCHITECT	DATE OF PLANS	JOB PHONE

We hereby submit specifications and estimates for: *Construction of a 20' x 10' x 4' deep gunite reservoir to be built in accordance with City of Rialto Building Department requirements. Surface to be plastered to make units leak proof. Proposal includes engineers plans, drawings, excavation, grading around perimeter, steel #3 bar 12" o/c with a bar #3 bond beam, gunite floor & materials & plaster cost including bond beam.*

Proposed price: *31797.00*

Payment Schedule: - Completion of guniting - *1000.00*
 Completion of plastering - *307.00*

Owner agrees to wet gunite for 5 days 3 or 4 times daily

Not Responsible For Unforeseen Underground Objects.

We Propose hereby to furnish material and labor — complete in accordance with above specifications, for the sum of:

On Completion of Guniting — Tiles & Coping or Cantilever Decking — dollars (\$ *31797.00*)
 Payment to be made as follows: *See above*
 Decking & or Filler Systems — All Other Work —

ESTIMATED PROJECT TOTAL SEVEN THOUSAND DOLLARS

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature *Dwight H. Williams*
 Note: This proposal may be withdrawn by us if not accepted within *120* days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: *12-9-71*

Signature *Henry B. Lewis*
 Signature *Apple Valley Co.*

January 12, 1972

Apollo Manufacturing Company
P. O. Box 488
Rialto, California 92376

Attention: Mr. Richard C. Doerr,
Safety Engineer

This is to confirm our meeting of January 10, 1972 and inspection of the newly constructed impervious pond.

The pond appears to be structurally sound and watertight, but did not contain a measuring device for determining water depth (evaporation). The decant pipes for removal of floatable material (charcoal) are unsatisfactory and if used, would constitute a violation of Requirement #1 of Order 71-39. Removal of floatable material must be made in a manner to prevent the escape of the liquid waste.

In regard to monitoring the pond, an accurate record should be kept showing the quantity of waste discharged to the pond and the amount of make-up water added when necessary. Water depth measurements should be taken before and immediately after addition of make-up water.

If we can be of any further assistance or if you have any questions, please contact our office at any time.

T. J. HOMAN
Staff Engineer

December 27, 1973

C
O
P
Y

Apollo Manufacturing Company
P.O. Box 488
Rialto, CA 92376

Attention: Richard Doerr

Subject: Failure to Comply with Technical Reporting
Requirements Specified in Order 71-39

This is to inform you that the technical reports required by this board in connection with your waste disposal operations have not been received since April 1973. The next quarterly report was due in July 1973.

You are requested to expedite the above reports. If you are unable to comply with this request, please provide a written explanation.

Please feel free to contact this office if there are any questions.

John M. Wasadzinski
Staff Engineer

yh

F

October 27, 1976

Mr. Richard C. Doerr
Apollo Manufacturing Company
3196 North Locust Avenue
P. O. Box 488
Rialto, CA 92376

Dear Mr. Doerr:

Failure to Submit Monitoring Reports
as Required in Monitoring and Reporting Program No. 71-39

A review of our files indicates that a monitoring report required by the above program has not been received since April 9, 1976. Monitoring reports were due July 10 and October 10, 1976.

We request your prompt attention to this matter and the providing of the delinquent reports by November 10, 1976.

If there is any question regarding this request, contact me at this office.

Sincerely,

John C. Silva
Staff Engineer

JCS/ps

INSPECTION REPORT FORM
REGION-8

4701

Discharger: Apollo Manufacturing Co. NS
Date: 9/29/77 Time: 1100-1130 Inspector: John Silva
Discharger Rep. (Name and Title): Richard Doerr - Safety Engineer
Reason for Inspection: Routine Compliance
Weather Conditions: Overcast 75°
Samples Taken? None Photos Taken? 1

A. Current Reg. and M. & R. Violations: None

Discussed with Representative? Yes

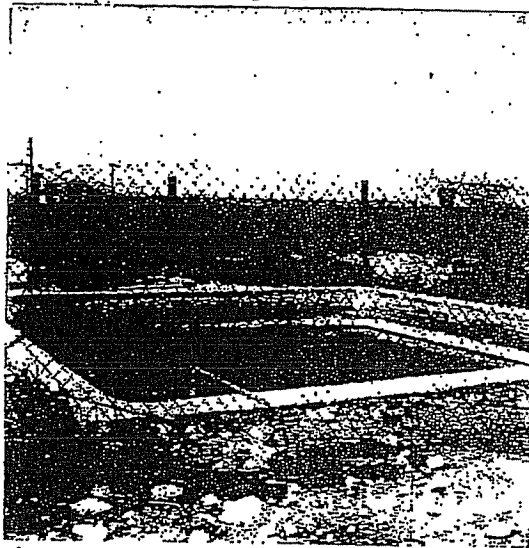
B. Observations Made/Explanation Given and Corrective Action to be Taken -

- ① 2.5" FREEBOARD IN POND AT TIME OF INSPECTION
POND DIMENSIONS 20' X 20' X 4' = 1600 FT³ OR ≈ 12,000 GAL.
- ② POND LINING APPEARED INTACT - NO VISIBLE
CRACKS (GUNITE MATERIAL) SAME AS USED IN
SWIMMING POOL CONSTRUCTION.
- ③ DOERR STATED THAT EXPLOSIVE POWDER IS ADDED TO
POND. WATER IS ADDED TO KEEP POWDER SUBMERGED
SUCH THAT IT WILL NOT EVEN OR EXPLODE.
- ④ WDR DO NOT SPECIFY F.B. LIMIT, APRIL & AUG 77 TECH. REPTS.
INDICATED 1" #7 F.B. RESPECTIVELY; THIS MAT. IS HAZARDOUS & CONTAINS
S, AR, KNO₃, ETC.

& HER Perm.

C. RWQCB Action to be Taken: RECOMMEND REVISE WDR TO INCLUDE F.B. LIMIT
OF 12". + require 30 day notice L.W.H.R.
Also, inclusion of a statement requiring Doerr
BE NOTIFIED 15 DAYS BEFORE TO DISPOSE OF POND CONTENTS,
A CLASS I SITE MAY NOT BE APPROPRIATE IN THIS CASE.

Apollo Mfg. Co.



9/29/77
1130
JLS

EXPLOSIVE POND
CONTAINMENT POND [20' X 20' X 4'-8"]
25" FRESHWATER (MEAS. AS IS)

ROUTINE COMPLIANCE INSPECTION

9/29/77

JCS

STATE OF CALIFORNIA

OFFICE MEMO
STD. 100 (REV. 11-75)

DATE
10-8-77

TO:

HAB

ROOM NUMBER

FROM:

J.Z.

PHONE NUMBER

SUBJECT:

Please revise WDR and incl septa tank
discharge - At times they have a large work
piece. No new reports for fee.

Will need a feedback limit for incl waste

MSS

Review file for the revision of
WDR. Do we have waste analysis
for the septa tank discharge

Handwritten signature

As per 11-15-77 for the DEP meeting

F

November 16, 1977

Mr. Richard C. Doerr
Apollo Manufacturing Company
3196 North Locust Avenue
P. O. Box 488
Rialto, CA 92376

Dear Mr. Doerr:

On November 24, 1971, Order No. 71-39 was adopted by this Board. The order contained waste discharge requirements for the discharge of industrial wastes to an impervious tank from your facility.

The Board adopted a Water Quality Control Plan on April 11, 1975, which contains water quality objectives for the Santa Ana Region. Your requirements, therefore, need to be revised in light of the Basin Plan. You are requested to provide the following information by December 7, 1977:

1. A completed report of waste discharge (forms enclosed). Please note that no filing fee will be necessary in this case.
2. Maximum volume per day of sanitary wastes and industrial wastes being discharged to the septic tank-subsurface disposal system and impervious pond, respectively.
3. Chemical analysis of septic tank effluent and your water supply, for the following constituents:

Carbonate	Boron	Potassium
Bicarbonate	pH	Electrical Conductivity
Sulfate	Calcium	Nitrate (water supply only)
Chloride	Magnesium	Ammonium (waste only)
Fluoride	Sodium	Filtrable Residue

4. A soils percolation report for the subsurface disposal areas.

If you have any questions, please contact us.

Sincerely,

Hisam A. Baqai
Staff Engineer

Enclosures: Forms 200 and 201

MSS:ng

December 23, 1977

Mr. Richard C. Doerr
Apollo Manufacturing Company
3196 North Locust Avenue
P. O. Box 488
Rialto, CA 92376

Dear Mr. Doerr:

In our letter of November 16, 1977, (copy enclosed), we requested you file a revised report of waste discharge and provide other related information for the discharge of industrial wastes at your facility. We have not received any response to date.

You are once again requested to submit a revised report of waste discharge and provide other previously requested information by January 6, 1978. Please note that failure to file such information when requested by the Regional Board is a violation of the California Water Code.

If you have any questions, please contact this office.

Sincerely,

Hisam A. Baqai
Staff Engineer

Enclosure: Copy of letter dated November 16, 1977

MSS/cl



December 28, 1977

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

Mr. Hisam A. Bagai
California Regional Water Quality Control Board
Santa Ana Region
6833 Indiana Ave., Suite 1
Riverside, CA 92506

DEC 30 1977

SANTA ANA REGION


Dear Mr. Bagai:

In reference to Item #4 of your letter, dated November 16, 1977;
we request the soil percolation report be waived due to the
fact that the facilities has been here since the forties.
The septic tanks have been working very good and we have not
had any problems.

Thank you.

Very truly yours,

APOLLO MANUFACTURING CO.


Richard C. Doerr
Safety Engineer

RCD/jf

Encl.

AS 130

Clinical Laboratory of San Bernardino, Inc.

1595 NO. "D" STREET
 PHONE (714) 998-3210
 P. O. BOX 329
 SAN BERNARDINO, CALIF. 92410

CALIFORNIA REGIONAL WATER
 QUALITY CONTROL BOARD

DEC 30 1977

SANTA ANA REGION

Apallo Main Office

5196 N. Locust

Septic Tank

	Carbonate	nil	
3.5	Bi Carbonate	215/61 mg/l	107
	Sulfate	22 mg/l	22
2.3	Chloride	80 mg/l	80
	Iron	0.40 mg/l	30
	Boron	0.02 mg/l	09
	Ph	7.2	28
	T D S	360 mg/l	04
1.5	Calcium	30 mg/l	380
0.8	Magnesium	9.4 mg/l	
1.2	Sodium	28 mg/l	
0.1	Potassium	4 mg/l	
1.1	Ammonia	15 mg/l	
	Electrical Conductivity	600 Micromhos/cm	

*Clinical Lab.
 re-ran re
 analysis
 TDS = 296
 Cl = 25*

x 0.6 = 360

*Let's take
 by phone
 meeting*

Date started 12-7-77

Date reported 12-9-77

Q. J. J. J.

8-2584
R

STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

REPORT OF WASTE DISCHARGE
Pursuant to Division 7 of the State Water Code

FOR USE OF REGIONAL BOARD

WRCB Form 200 Rev'd: 12/30/77

Duty Fee: 0-

Letter to Discharger: _____

Report Rec'd: _____

Effective Date: _____

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

DEC 30 1977

SANTA ANA REGION

(A) REPORT FROM:

Discharger PYROTRONICS CORP.
(Owner of Facility, Municipality, County, District, Firm or Individual)
Mailing Address PO BOX 488 RIALTO, CA. 92376
Telephone No. 874-1671
Name of Facility APOLLO MFG CO.

(B) DESCRIPTION:

I. WASTE DISCHARGE: (check)

- 1. New discharge ----- ()
- 2. Existing discharge ----- ()
- 3. Increase in quantity of discharge ----- ()
- 4. Change in character of waste ----- ()
- 5. Change in place or method of disposal ----- ()

II. LOCATION OF POINT OF DISPOSAL OR OPERATION (describe and attach map, sketch or locate on USGS Quadrangle map, 7.5 minute series.)
List distances or bearing and distance from section corner or quarter corner, Section, Township, Range and Base and Meridian.)

3186 N. LOBUST AVE RIALTO (BETWEEN RIVERSIDE AVE AND HIGHLAND AVE)

III. WASTE TREATMENT OR DISPOSAL FACILITIES: (check)

- 1. Construction of entirely new facilities ----- ()
- 2. Enlargement of existing facilities ----- ()
- 3. Other (explain) _____

(C) TYPE OF WASTE DISCHARGE: (check)

- 1. Sewage only ----- ()
- 2. Industrial wastes only ----- ()
- 3. Mixed sewage and industrial wastes ----- ()
- 4. Solid wastes ----- ()
- 5. Cattle wastes ----- ()
- 6. Soil, silt, clay, etc. ----- ()
- 7. Other wastes ----- ()

(D) QUANTITY OF WASTES:

- 1. Present or proposed flow (in mgd) _____
- 2. Design flow (in mgd) 3000 INO WASTE
3000 SAM. WASTE
- 3. Present population 85
- 4. Design population 85
- 5. Solid waste disposal site (in cubic yards) N/A
- 6. Area in which soil will be disturbed (in acres) N/A

(E) SOURCE OF WATER SUPPLY:

- 1. Municipal or utility service (San Bernardino Water Dist.)
- 2. Individual wells ()
- 3. Surface supply: (a) Name of Stream _____
(b) Type of Water Rights: Riparian () Appropriation ()
(c) Water Rights Permit or License Number _____

(F) ENVIRONMENTAL IMPACT REPORT (EIR):

- 1. Has an EIR been prepared for this project?
Yes () No
- 2. If yes, please enclose a copy
- 3. If no, will an EIR be prepared? Yes () No
- 4. If yes, who will prepare the EIR? _____

ALL OF THE STATEMENTS CONTAINED HEREIN ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND ARE SUBMITTED UNDER PENALTY OF PERJURY.

SIGNATURE OF AUTHORIZED PERSON

Richard C. Doer
Title Plant Engineer
(Manager/Clerk, Engineer, Consultant, etc.)

Date _____

You will be notified of the correctness of filing fee and submital of any additional information deemed necessary to complete your Report of Waste Discharge pursuant to Division 7, Section 13260 of the State Water Code.

January 30, 1978

Mr. Richard C. Doerr
Apollo Manufacturing Company
P. O. Box 488
Rialto, CA 92376

Dear Mr. Doerr:

We have reviewed the report of waste discharge filed for revisions of waste discharge requirements presently contained in Order No. 71-39 for your facility.

The report of waste discharge is complete. Waste discharge requirements will be drafted in the near future. A copy of the tentative order will be mailed to you at that time.

If you have any questions, please contact this office.

Sincerely,

Darrell J. Smith
Supervising Engineer

MSS:pk

4
March 16, 1978

Mr. Richard C. Doerr
Apollo Manufacturing Company
P. O. Box 488
Rialto, CA 92376

Dear Mr. Doerr:

Enclosed is a copy of tentative Order No. 78-96, which contains the proposed requirements for the waste discharges from your facility.

These requirements are scheduled for consideration at the Board's May 12, 1978, meeting. Any comments you have should be received in this office prior to April 14, 1978.

If you should have any questions, feel free to contact this office.

Sincerely,

JAMES W. ANDERSON
Executive Officer

Enclosure: Tentative Order No. 78-96

MSS/cl

March 16, 1978

State Water Resources Control Board
Chris Sproul, Legal Division
State Department of Water Resources
State Department of Fish and Game
State Department of Health - San Bernardino
San Bernardino County Department of
Environmental Health Services
San Bernardino County Flood Control District

Gentlemen:

Enclosed is tentative Order No. 78-96, which contains requirements for the discharge of sanitary wastes to subsurface disposal systems and industrial wastes to impervious ponds.

These requirements are scheduled for consideration at the Board's May 12, 1978, meeting. Your comments are requested to be available prior to April 14, 1978.

If there are any questions regarding these proposed requirements, please contact this office.

Sincerely,

JAMES W. ANDERSON
Executive Officer

Enclosure: Tentative Order No. 78-96

MSS/cl

A
msf

Memorandum

To : Mr. James W. Anderson, Executive Officer
California Regional Water Quality Control Board
Santa Ana River Basin Region (No. 8)
6833 Indiana Avenue, Suite 1
Riverside, CA 92506

Date: March 28, 1978

From : Department of Fish and Game - Region 5, 350 Golden Shore, Long Beach, CA 90802

Subject: Order No. 78-96 Waste Discharge Requirements for Apollo Manufacturing Facility,
Rialto, a Division of Pyrotronics Corporation, San Bernardino County

Discharge to: impervious evaporation pond and septic tank-subsurface disposal systems.

We concur with the proposed subject discharge requirements.

Bruce E. Elvins for
Robert D. Montgomery
Regional Manager
Region 5

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

MAR 31 1978

cc: Environmental Services Branch, Sacramento
Department of Water Resources, L.A.
Department of Health, L.A.
Captain Harrison

SANTA ANA REGION

Memorandum

To : California Regional Water Quality
Control Board
Santa Ana Region
6833 Indiana Avenue, Suite 1
Riverside, CA 92506

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

Date : April 12, 1978

File No.: 282.82 SW&IW

Attention: Mr. James W. Anderson
Executive Officer

APR 20 1978

Subject: Tentative Waste Discharge
Requirements for Apollo
Manufacturing Company, Rialto,
San Bernardino County; Order
No. 78-96; March 16, 1978

SANTA ANA REGION

From : Department of Water Resources
Los Angeles, CA 90055

We reviewed the subject waste discharge requirements.

- We concur with them.
- The subject discharge is to the marine environment and should not affect fresh water resources.
- We offer the following comments.
 1. Adequate horizontal distance should be kept between the point of waste disposal and any water source such as a well.
 2. All facilities used for waste control and disposal should be protected from flooding.

The discharger is currently discharging 11.4 m³/d (3,000 gpd) of sanitary wastes to septic tank/subsurface disposal systems. Some amount of industrial waste is being discharged to an impervious evaporation pond (Sections 20, 21, 28, and 29, T1N, R5W, SBB&M).

In September 1974 depth to water in Well No. 1N/5W-22A1 was about 10.7 metres (35 feet). TDS concentration in Well No. 1N/5W-22F1 was 189 mg/l on May 19, 1969.

Richard E. Angelos
Richard E. Angelos, Chief
Operations Branch
Southern District

cc: Sanitary Engineering Section
State Department of Fish and Game

Originator: C. Wong:bw
(213) 620-4662

California Regional Water Quality Control Board
Santa Ana Region

May 12, 1978

ITEM: 14

SUBJECT: Waste Discharge Requirements for Apollo Manufacturing Company, a Division of Pyrotronics Corporation, City of Rialto, San Bernardino County, Order No. 78-96.

DISCUSSION:

Apollo Manufacturing Company is currently discharging approximately 3000 gallons per day of industrial wastes, from the manufacturing of fireworks products, to an impervious pond. Approximately 3000 gallons per day of sanitary wastes are also discharged to septic tank-subsurface disposal systems. The discharge of industrial wastes is currently covered under Order No. 71-39. Revision of the present Order No. 71-39 is necessary to implement the Water Quality Control Plan. The discharge overlies the Rialto Groundwater Subbasin and the limitations proposed comply with this subbasin's objectives.

These requirements also specify that all sanitary wastes discharged to subsurface disposal systems must be maintained below the ground surface. The industrial wastes may not be discharged in a manner which will allow the wastes to reach waters of the State. A freeboard limit is specified for the evaporation ponds.

The requirements contained in the proposed order should be adequate to protect the beneficial uses of the Rialto Groundwater Subbasin.

RECOMMENDATION:

Adopt Order No. 78-96 as presented.

STATE OF CALIFORNIA

OFFICIAL MEMO
STD. 100 (REV. 11-75)

DATE
4-26-78

TO:

File: Apolls Mfg. Co.

ROOM NUMBER

FROM:

PHONE NUMBER

SUBJECT:

5-12-78 Meeting

Copy of agenda sent to:

D74 G-Montgomery

SDH-S.B., Chet Anderson

SBCFCD, Ridler

Richard C. Doerr, Apolls Mfg. Co.

California Regional Water Quality Control Board
Santa Ana Region

Order No. 78-96

Waste Discharge Requirements
for
Apollo Manufacturing Facility, Rialto, a Division of
Pyrotronics Corporation, San Bernardino County

The California Regional Water Quality Control Board, Santa Ana Region (hereinafter Board), finds that:

1. Apollo Manufacturing Company (hereinafter discharger) submitted a report of waste discharge on December 30, 1977, for the discharge of:
 - a. Approximately 3000 gallons per day ($11.4 \text{ m}^3/\text{day}$) of industrial wastes to an impervious evaporation pond;
 - b. Approximately 3000 gallons per day ($11.4 \text{ m}^3/\text{day}$) of sanitary wastes to septic tank-subsurface disposal systems.
2. The discharge of industrial wastes is presently governed under Order No. 71-39.
3. The discharge of wastes is located in the portions of Sections 20, 21, 29 and 28, T1N, R5W, SBB&M, and overlies the Rialto Groundwater Subbasin.
4. The beneficial uses of the Rialto Groundwater Subbasin include:
 - a. Municipal and domestic supply,
 - b. Agricultural supply,
 - c. Industrial service supply,
 - d. Industrial process supply.
5. West San Bernardino County Water District supplies water to the discharger. In 1977, the filtrable residue and chloride concentrations in the water supply were 212 mg/l and 8 mg/l respectively.
6. On March 1, 1978, the sanitary wastes contained filtrable residue and chloride concentrations of 296 mg/l and 25 mg/l respectively.
7. A Water Quality Control Plan was adopted by the Regional Board on April 11, 1975. The Plan contains water quality objectives and beneficial uses of waters in the Santa Ana Region.
8. The requirements contained in this order are necessary to implement the Water Quality Control Plan.
9. These requirements control the wastes discharged from an existing facility and, as such, are exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et seq.) in accordance with Section 15101, Chapter 3, Title 14, California Administrative Code.

Order No. 78-96 - continued
Apollo Manufacturing Facility

10. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Apollo Manufacturing Company shall comply with the following:

A. Discharge Specifications

1. a. The discharge of wastes to the subsurface disposal system in excess of the following limits is prohibited:

<u>Constituents</u>	<u>Average Concentration Limitations</u>	
Filtrable Residue	430	mg/l
Chloride	90	"
Boron	0.5	"

- b. The discharge of wastes to the subsurface disposal system shall not contain concentrations which exceed those of the same constituents in the water supply by more than the following:

<u>Constituents</u>	<u>Average Incremental Limitations</u>	
Filtrable Residue	230	mg/l
Chloride	55	"

For Discharge Specifications 1.a. and 1.b., whichever limitation results in the lower average total concentration shall be controlling.

2. All sanitary wastes shall be maintained below the ground surface at all times.
3. The discharge of industrial wastes shall not be discharged or caused to be discharged, in a manner which will allow the wastes to reach waters of the State.

B. Provisions

1. Neither the treatment nor the discharge of wastes shall cause a nuisance and/or pollution as defined in the California Water Code.
2. Compliance with Discharge Specifications 1.a. and 1.b. shall be based on the average of the last three (3) consecutive samples.
3. All industrial wastes removed from the facility shall be hauled by a State registered liquid waste hauler and disposed of at an appropriate site.
4. The discharge of wastes to impervious evaporation ponds when the freeboard is less than one foot is prohibited.

Order No. 78-96 - continued
Apollo Manufacturing Facility

5. The discharger shall comply with Monitoring and Reporting Program
No. 78-96.

6. This order includes the "General Monitoring and Reporting Provisions".

I, James W. Anderson, Executive Officer, do hereby certify the foregoing is
a full, true and correct copy of an order adopted by the California Regional
Water Quality Control Board, Santa Ana Region on May 12, 1978.

JAMES W. ANDERSON
Executive Officer

RBSA_10967

California Regional Water Quality Control Board
Santa Ana Region

May 12, 1978

General Monitoring and Reporting Provisions

General Provisions for Sampling and Analysis

Unless otherwise noted, all sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

Chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health.

All samples shall be representative of the waste discharge under the conditions of peak load.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample shall be proportional to the discharge flow rate at the time of sampling. The compositing period shall equal the specific sampling period, or 24 hours, if no period is specified.

General Provisions for Reporting

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

RBSA_10968

California Regional Water Quality Control Board
Santa Ana Region

Monitoring and Reporting Program No. 78-96
for
Apollo Manufacturing Company
San Bernardino County

Effluent Monitoring

1. On the fifth working day of January, April, July and October, a composite sample, made up of individual grab samples from the septic tanks, shall be obtained and analyzed for the following:

<u>Constituents</u>	<u>Units</u>
Filtrable Residue	mg/l
Chloride	"
Boron	"

2. The estimated daily volume for sanitary and industrial wastes shall be determined and recorded in a permanent log.
3. The freeboard in the impervious pond shall be measured weekly and recorded.

Water Supply Monitoring

Annually, in October, the discharger shall supply an analysis of the water supply for the following constituents:

<u>Constituents</u>	<u>Units</u>
Filtrable Residue	mg/l
Chloride	"

Reporting

All reports shall be submitted within 15 days of sampling, and shall include:

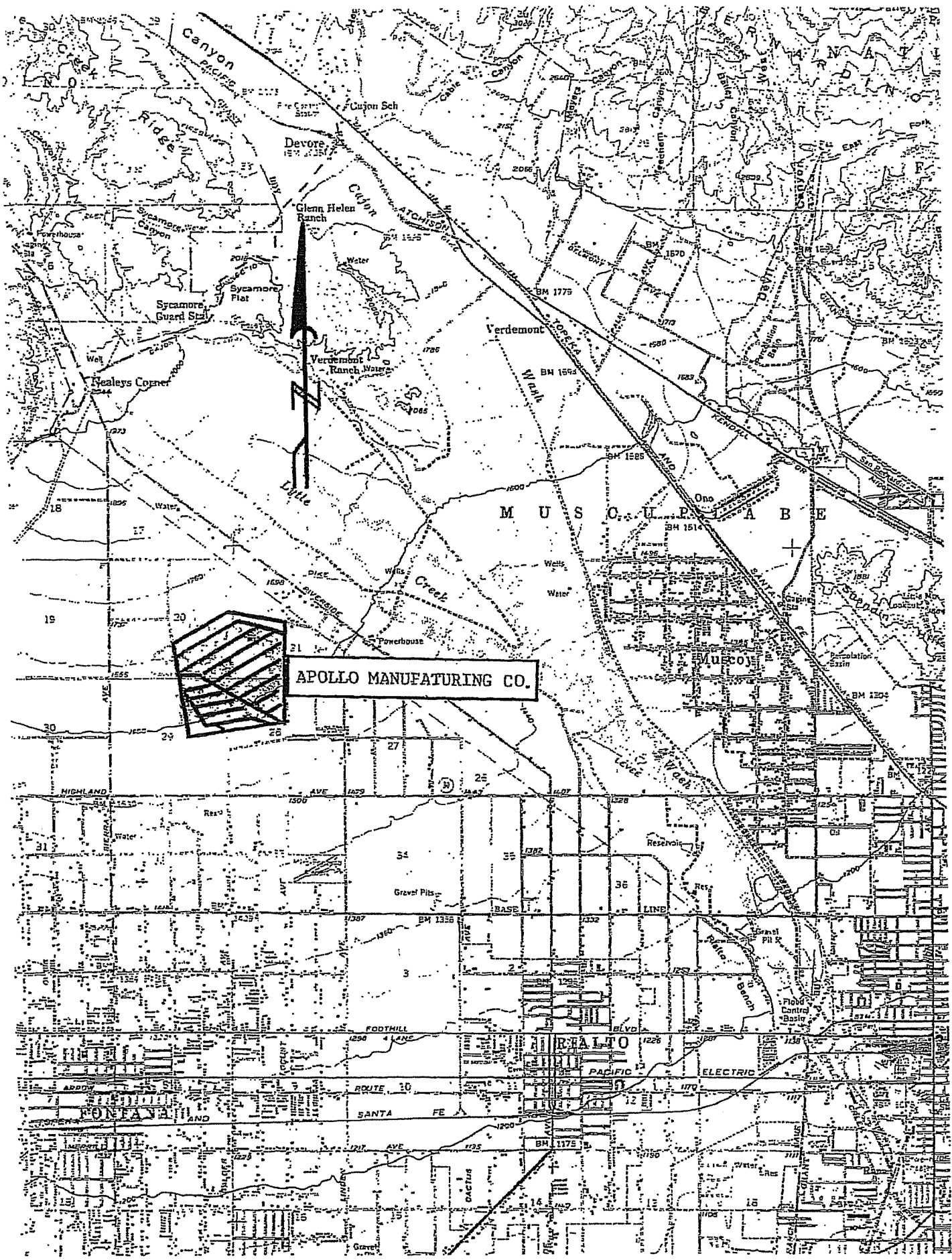
1. A copy of the chemical analyses;
2. Statement regarding maintenance of all sanitary wastes below the ground surface;
3. Flow data;
4. Freeboard data on the impervious evaporation pond.

Monitoring reports shall be signed by a responsible officer or duly authorized representative of Apollo Manufacturing Company and shall be submitted under penalty of perjury.

Ordered by _____
JAMES W. ANDERSON
Executive Officer

RBSA_10969

May 12, 1978



May 15, 1978

Mr. Richard C. Doerr
Apollo Manufacturing Company
P. O. Box 488
Rialto, CA 92376

Dear Mr. Doerr:

Enclosed is a copy of certified Order No. 78-96, which contains the requirements for the waste discharges from your facility.

This order was adopted by the Board at the May 12, 1978, meeting.

If you should have any questions, feel free to contact this office.

Sincerely,

JAMES W. ANDERSON
Executive Officer

Enclosure: Certified Order No. 78-96

c1

AS 121

May 15, 1978

State Water Resources Control Board
Chris Sproul, Legal Division
State Department of Water Resources
State Department of Fish and Game
State Department of Health
San Bernardino
San Bernardino County Department of
Environmental Health Services
San Bernardino County Flood Control District

Gentlemen:

Enclosed is Order No. 78-96, which contains requirements for the discharge of sanitary wastes to subsurface disposal systems and industrial wastes to impervious ponds.

This order was adopted by the Board at the May 12, 1978, meeting.

If there are any questions regarding these requirements, please contact this office.

Sincerely,

JAMES W. ANDERSON
Executive Officer

Enclosure: Order No. 78-96

cl

STATE OF CALIFORNIA

OFFICE MEMO
STD. 100 (REV. 11-75)

DATE
9-13-78

TO:

FILE - ~~SPH~~
CAA

ROOM NUMBER

FROM:

CAA

PHONE NUMBER

SUBJECT:

APOLLO MFG-

T/C WITH RICHARD DOERR - SAFETY
ENGINEER REGARDING THE QUARTERLY
REPORT THAT WAS DUE ON 7-18
DOERR TOLD ME THAT HE WAS ON
VACATION AND HAD TAKEN IT FOR
GRANTED THAT REPORT HAD BEEN
SUBMITTED, BUT THAT HE WOULD
HAVE ^{THE FREEBOARD} A REPORT OUT IN MAIL 9-14-78
REQUESTED THAT ANALYSIS AND FLOWS
ALONG W/ FREEBOARD BE SENT IN
BY 9-29-78

STATE OF CALIFORNIA

OFFICE ...EMO
STD. 100 (REV. 11-75)

DATE
10-12-78

TO:

SDA - FILE
GAA

ROOM NUMBER

FROM:

GAA

PHONE NUMBER

SUBJECT:

APOLLO MFG.

T/C WITH RICHARD DOERR - SAFETY ENGINEER -
CONCERNING MONITORING REPORTS AND WHAT IS
REQUIRED.

1) STATEMENT - WASTES MAINTAINED BELOW
GROUND

2) FLOW DATA -

3) COMPOSITE - FLOW WEIGHTED SAMPLES

4) FREEBOARD IN LVAPO POND -

EXPECT REPORT OCT 21.

INSPECTION REPORT FORM
REGION 8

M.H.

Discharger: Apple Association Order No. 74-96

Date: Feb 22, 1979 Time: 1:15 Inspector R. [unclear]

Discharger Rep. (Name and Title): Richard [unclear]

Reason for Inspection: Public Hearing

Weather Conditions: Overcast - Cool

Samples Taken? No Photos Taken? No

A. Current Reg. and M. & R. Violations: None

Discussed with Representative? Yes

B. Observations Made/Explanation Given and Corrective Action to be Taken -

I'll write up a report on this hearing
at 5:00.
As a result of the hearing, the association will
be required to submit a report to the board
within 30 days. The board will then
decide on the next steps.

C. Regional Board Action to be Taken *Letter with 1/25/81*

Sites for disposal of industrial waste.

+

ass. by CIBMIND standard for human

Non reclaimable l.u.

February 28, 1979

Mr. Richard C. Doerr, Safety Engineer
Apollo Manufacturing Company
P. O. Box 488
Rialto, CA 92376

Dear Mr. Doerr:

Enclosed, as per our discussion of February 23, 1979, is a list of Class I disposal sites. They can be contacted to see if acceptance of your type of waste will be possible.

The waste should be hauled by a certified liquid waste hauler and the final disposal site should be stated on your next monitoring report.

If you have any questions, please contact me at this office.

Sincerely,

Gary A. Angel
Staff Engineer

GAA/cf

INSPECTION REPORT FORM
REGION 8

Discharger: Apollo Mfg Order No. 78-96

Date: 5/6/80 Time: 1:30 Inspector GDS

Discharger Rep. (Name and Title): Richard Doerr, Safety Engineer

Reason for Inspection: Routine Compliance

Weather Conditions: Overcast & Warm

Samples Taken? No Photos Taken? No

A. Current Reg. and M. & R. Violations: ETS Oct, Jan + April monitoring reports

Discussed with Representative? Yes

B. Observations Made/Explanation Given and Corrective Action to be Taken -

1) Mr. Doerr will arrange to have a sample taken this week for the April monitoring report. The October and January reports have been lost due to clerical problems. Mr. Doerr will explain in the cover letter of next report

2) The freeboard in the incinerator pond is approx 9". The pond is full of solids. Mr. Doerr is going to arrange to have the pond emptied immediately.

3) No odors nor surfacing noted around septic tank/subsurface disposal areas.

[Faint, illegible text on lined paper]

C. Regional Board Action to be Taken Write letter if monitoring report not received by May 28, 1980

INSPECTION REPORT FORM
REGION 8

But
10-11

Discharger: Apollo Mfg. Order No. 78-96

Date: 11/4/81 Time: 1130 Inspector G.D.

Discharger Rep. (Name and Title): Richard Doerr

Reason for Inspection: Routine Compliance

Weather Conditions: Clear & Warm

Samples Taken? No Photos Taken? No

A. Current Reg. and M. & R. Violations: MS - July & Oct

Discussed with Representative? Yes

B. Observations Made/Explanation Given and Corrective Action to be Taken -

1) Samples were not taken in July & Oct because the tank was shut down during this time. Mr. Doerr will send us a letter regarding this.

2) No problem or method assessed the water tank/subsurface disposal system

3) Approx 20"-24" of freeboard was in the evaporation pond.

INSPECTION REPORT

California Regional Water Quality Control Board
Santa Ana Region

DISCHARGER: Apollo Mfg.

ORDER NO: 78-96

DATE/TIME: 3/3/83 1000

REASON FOR INSPECTION: Routine compliance

INSPECTOR: KVB

PERSONS IN ATTENDANCE: Richard Doerr, Safety Engineer

PHOTOS: No SAMPLES: No WEATHER: Raining

CURRENT VIOLATIONS: FTS

FINDINGS: _____

① Mr. Doerr stated that the plant had been closed from May until December and that was why monitoring results were not submitted. He said he would mention this in the next report.

② The evaporation pond had no freeboard, and rainfall had caused a minor overflow (est. - 5 gallons). Mr. Doerr stated that he had called Charcellor & Odgen to have the pond pumped out. He also stated that no waste had been discharged to the pond for two

weeks, and that the freeboard the previous day had been about 6 inches. It did not appear that a significant amount of runoff could enter the pond, however.

③ No problems noted around septic tank / subsurface disposal system.

RECOMMENDATION: Send letter confirming inspection.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION

6809 INDIANA AVENUE, SUITE 200
RIVERSIDE, CALIFORNIA 92506

PHONE: (714) 684-9330



March 7, 1983

Mr. Richard Doerr
Safety Engineer
Apollo Manufacturing Company
P. O. Box 488
Rialto, CA 92376

Dear Mr. Doerr:

This is to confirm the findings of my inspection of March 3, 1983. At the time of the inspection, the evaporation pond was full and rainfall was causing a minor overflow of the pond. You stated that you had contacted a liquid waste hauler about pumping out the pond, but that the hauler was unable to respond to your request immediately.

I wish to remind you that overflows of waste from the evaporation pond are prohibited by your Waste Discharge Requirements (Order No. 78-96). Discharge to the pond when freeboard is less than one foot is also prohibited. In the future, please make arrangements for pumping of the pond in a timely manner, such that overflows do not occur and the one foot discharge limit is not violated.

In addition, you stated that recent monitoring reports were not submitted to this office because the plant was closed. Please notify us in advance of any future plant closures.

If you have any questions, please call me.

Sincerely,

Kurt V. Berchtold
Staff Engineer

KVB:kyb



ANALYTICAL RESEARCH LABORATORIES, INC.

160 TAYLOR STREET, P.O. BOX 2380, MONROVIA, CALIFORNIA 91016

(818) 357-3247

Lab/Shipper
Log Number

54027

Client Apollo Manufacturing	Work Order 5312-01	P. O. Number Verb - R. J. Apel
Material/Sample Identity Waste Slurry	Rec'd 5-4-84	Due ASAP
Requested By Name: Mr. Ralph J. Apel	Phone: (714) 874-3110	Sample Disposition Expendable

Report/Ship To:

Mr. Ralph J. Apel
Apollo Manufacturing
3196 N. Locust, P.O. Box 488
Rialto, CA 92376

Nature of Work and Information Desired

Waste Analysis per BKK Specifications

Summary of Laboratory Report

Q. C. Level 2

The waste sample was analyzed for metals, pH, cyanide, sulfide, chlorinated hydrocarbons and flash point, as required for the BKK Landfill Generator's Waste Analysis Data sheet. The results are given on the attached sheet.

While none of the parameters exceed the California limits for hazardous waste, the sample is still considered hazardous because it is a waste water from the manufacture of explosives (EPA hazardous waste No. K 044).

The detection limits for all parameters analyzed were at least one percent of the California limits allowed for hazardous wastes.

AS 073

As a mutual protection to clients, this report is submitted for the exclusive use of the client to whom it is addressed. This report applies only to the sample(s) tested and is not necessarily indicative of the qualities of apparently similar or identical products. Use of this report, whether in whole or in part, or of any seals or insignia connected therewith, in any advertising or publicity matter, without prior written authorization is prohibited.

Analyst RSF/DLM	Book - Page 322-7/318-87	Approved By <i>[Signature]</i>	Date 21 May 1984
Research and Development		Testing	



BKK LANDFILL
GENERATOR'S WASTE ANALYSIS DATA

No. **A 1579**

GENERAL INFORMATION:

GENERATOR NAME Apollo Manufacturing EPA ID # _____
GENERATOR ADDRESS: 3196 N. Locust, Rialto, CA 923376
TECHNICAL CONTACT: _____ TITLE _____ PHONE NUMBER (714) 874-3110
COMMON NAME OF WASTE: Waste Slurry
DESCRIPTION OF PROCESS GENERATING WASTE: Manufacture of Fireworks

DATE SAMPLED: _____
FPA WASTE CATEGORY: K044 CALIFORNIA D.O.H. S. WASTE CATEGORY _____

PHYSICAL CHARACTERISTICS

pH 7.6 Units FLASH POINT ($^{\circ}$ F) Nonflammable
SOLID: _____ LIQUID: X

CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
TOTAL	100 %

METALS

	TOTAL CONCENTRATION <small>(mg/l)</small>	CONCENTRATION IN SOLUTION <small>(mg/l)</small>
ARSENIC (As)	_____	0.56
CADMIUM (Cd)	_____	< 0.05
CHROMIUM, HEXAVALENT (Cr+6)	_____	< 0.05
LEAD (Pb)	_____	0.2
MERCURY (Hg)	_____	0.18
NICKEL (Ni)	_____	0.4
SELENIUM (Se)	_____	0.44
THALLIUM (Tl)	_____	N/A

*TO BE DETERMINED FOR LIQUID WASTES ONLY. FILTER THE SAMPLE THROUGH A 0.45 micron FILTER. PERFORM THE ANALYSIS ON THE FILTRATE

OTHER

	TOTAL CONCENTRATION <small>(mg/l)</small>
CYANIDE FREE	< 100.
SULFIDES	< 100.
TOTAL HALOGENATED ORGANIC COMPOUNDS	< 0.5, as TCE

LABORATORY NAME: Analytical Research Labs, Inc
ADDRESS: 160 Taylor Street, Monrovia, CA 91016
SIGNATURE OF ANALYST: _____
DATE: 16 May 1984

SUBMIT ORIGINAL FORM TO CHEMIST

BKK LANDFILL
2710 S. Azusa Ave
West Covina, California 91782
EPA ID NO CAD 067788749

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS SAMPLE IS TRULY REPRESENTATIVE OF THE ABOVE NAMED WASTE RESULTING FROM NORMAL FACILITY OPERATIONS

AS 074

SIGNATURE OF GENERATOR: _____

DATE: _____

But
1-28

INSPECTION REPORT FORM
REGION 8

74-1671
pete

Discharger: Apollo Mfg. Order No. 78-96

Date: 1/24/85 Time: 1330 Inspector: B. Payne

Discharger Rep. (Name and Title): Pedro Mergil

Reason for Inspection: Routine

Weather Conditions: Clear & Mild

Samples Taken? 0 Photos Taken? 0

A. Current Requirements and M. & R Violations: None

Discussed with Representative? N/A

B. Observations Made, Explanations Given, and Corrective Action to be Taken:

1. Evaporation pond had a 3' of fraxboard.
It appeared to be in good shape. From
what I could see of it, No cracks in
the side walls.

2. They haven't used the pond in 18 mos.
All extra and inferior gun powder is
burned.

3. They want to ^(water sludge & debris) remove all material from
pond so that they can demolish pond
and sell a portion of their property. They're
waiting on directive from County Health
on proper means of disposal.

C. Receiving Water Inspection (Observations/Findings): N/A

D. Operator Logs Reviewed: Haulers receipts appeared in order.

E. Regional Board Action to be Taken: Remind WPR's after pond is properly closed. BPys

STATE OF CALIFORNIA

OFFICIAL MEMO
STD. 100 (REV. 11-75)

DATE

2-8-85

TO:

BCP

ROOM NUMBER

FROM:

Pink

PHONE NUMBER

SUBJECT:

APOLLO

"Pete" (814-1671) from Apollo Phoned To
REQUEST A DECREASE IN THE FREQUENCY
OF MONITORING TO SEMI-ANNUAL. I
TOLD HIM THAT WE WOULD REVIEW
THE SITUATION & THAT YOU WOULD GET
BACK TO HIM LATER TODAY REGARDING
THE POSSIBILITY OF FULFILLING HIS REQUEST

I informed Pete to
submit his request in
writing. BCP



QUALITY CONTROL

FEB 15 1985

SANTA ANA REGIONAL WATER

February 13, 1985

Mr. Bruce Paine
California Regional Water
Quality Control Board
Santa Ana Region
6809 Indiana Avenue Suite 200
Riverside, California 92506

SUBJECT: Request for Reduction of Monitoring Frequency

Dear Mr. Paine:

I respectfully request a reduction of our monitoring system to once a year, due to the fact we have approximately 85 employees working for three months of the year and the plant is closed the other nine months.

I would also like to send in my report in April, 1985, we should be in full production by that time.

Sincerely,
APOLLO MANUFACTURING COMPANY

Pedro D. Mergil
Plant Superintendent

PDM/ls

AS 103

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION**6809 INDIANA AVENUE, SUITE 200
RIVERSIDE, CALIFORNIA 92506

PHONE: (714) 684-9330



April 2, 1985

Apollo MFG Company
Mr. Pegro Mergil
3196 N. Locust Avenue
Rialto, CA 92376

Dear Mr. Mergil:

**REQUEST FOR SUBMITTAL OF PROPOSED MONITORING PROGRAMS FOR EXISTING WASTE
MANAGEMENT UNITS**

Revised regulations governing the discharge of waste to land contained in Subchapter 15 of Title 23, Chapter 3 of the California Administrative Code, became effective on November 27, 1984. These regulations established a deadline for submittal of monitoring programs by dischargers who own or operate existing landfills, surface impoundments or waste piles (i.e. waste management units).

All existing waste management units must have ground water monitoring systems which comply with the requirements of Article 5 of Subchapter 15. Dischargers who own or operate existing units are required by Section 2510(d) to submit their proposals for achieving compliance to the Regional Board within six (6) months of the effective date of the revised regulations. Therefore, a technical report describing the measures you intend to take to bring your monitoring into compliance with Article 5 must be submitted to this office no later than May 28, 1985. This report shall also include a detailed time schedule for achieving compliance with the monitoring requirements.

A workshop on the Subchapter 15 regulations is in the process of being scheduled and will be held in Orange County. We will inform you of the exact time and place when that information is available. However, since the workshop may not be held until early May, it is strongly recommended that you not wait for this workshop, but instead, begin work on your proposed monitoring program as soon as possible.

After your proposed monitoring program has been submitted and reviewed and approved by the Regional Board, the self monitoring program included in your current waste discharge requirements will be revised to incorporate the new monitoring program. Monitoring information resulting from this new program will be reviewed and used by the Regional Board in revising your waste discharge requirements in accordance with the regulations contained in Subchapter 15.

Mr. Mergil

-2-

April 2, 1985

Enclosed for your information are several excerpts from the revised Subchapter 15 regulations. These are being provided to give you a general idea of the new requirements. The complete text of the Subchapter 15 regulations should be on hand at the County Law Libraries. Copies of Title 23, which contains Subchapter 15, are available at a cost of fifteen (15) dollars from the Office of Procurement, Publications Section, P. O. Box 1015, North Highlands, CA 95660.

If you have any questions regarding submittal of your proposed monitoring programs, please contact Mark G. Adelson (landfills) or Bruce C. Paine (surface impoundments/waste piles) at this office.

Sincerely,

JAMES W. ANDERSON
Executive Officer

Enclosure

RLH:kyb

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION**

6809 INDIANA AVENUE, SUITE 200
RIVERSIDE, CALIFORNIA 92506

PHONE: (714) 684-9330



April 3, 1985

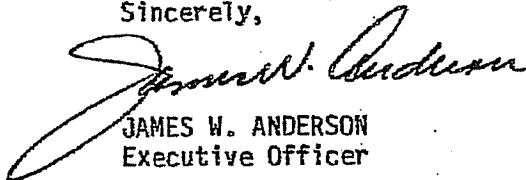
Pedro D. Mergil, Plant Superintendent
Apollo Manufacturing Company
P.O. Box 488
Rialto, CA 92376

Dear Mr. Mergil:

In response to your February 13, 1985, request, enclosed is a revised monitoring and reporting program. The revision is based on the short period of time throughout the year that your facility is in operation.

Please include with your April monitoring report your plans and a time schedule for the closure of the impervious pond. Enclosed is a copy of the closure requirements that are contained in the California Administrative Code. Your impervious pond must be closed in accordance with these regulations. Please call if you have any questions.

Sincerely,



JAMES W. ANDERSON
Executive Officer

Enclosures: Surface Impoundment Closure Requirements
Revised Monitoring and Reporting Program

BCP:ww



Bill
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD

APR 29 1985

SANTA ANA REGION

REP
Confirmation
of closure?

April 26, 1985

Mr. James W. Anderson
California Regional Water
Quality Control Board
Santa Ana Region
6809 Indiana Avenue Suite 200
Riverside, California 92506

Dear Mr. Anderson:

In response to your request for submittal of proposed monitoring programs, our impervious pond is no longer in use.

As was mentioned in our April report, all of the sludge has been transported to an approved waste management unit by Liquid Waste Management. We are in the process of getting permission to burn the solid waste which remains. When this has been completed, we plan to close the pond in accordance with 2582 (b) (1).

Please let me know if you need any further information.

Sincerely,

APOLLO MANUFACTURING COMPANY

Ralph Apel
Ralph Apel
General Manager
RA/lrs

AS 099

To: Files Apollo MFG

KLH

B.K.
6/19

From: BLP

Subject: 6/17/85 Telecon w/ Ralph Apel

They are working with a contractor who is trying to obtain a permit to burn the residue that remains in the disposal pond.

Apel will provide us with verbal update on 7/1/85.



August 20, 1985

Mr. Jerry Browler
Broco Inc.
2824 North Locust Avenue
Rialto, California 92376

Dear Mr. Browler:

This is a reminder that I am still interested in having your company dispose of the explosive waste that is in the impervious pond located on our property.

As I think you know, we have pumped all of the sludge out of the pond and only solid waste remains. This insures that none of the waste can seep into the soil but at the same time increases the storage hazard. We have already had one incident this summer where the waste auto-ignited blowing burning debris onto the property and starting a small grass fire. I am concerned that the waste will dry out again and we'll have another auto-ignition.

I realize that your hands are tied because of the A.Q.M.D. requirements on burning, but as soon as you receive word on your petition for a special burn permit please contact me. I am very anxious to dispose of all the waste and dismantle the pond.

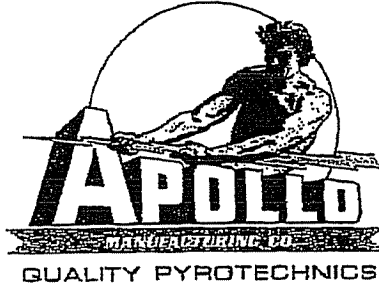
Sincerely,

APOLLO MANUFACTURING COMPANY

Ralph Apel
Vice President

RA/lr

AS 097



114
AUG 22 1985

August 21, 1985

Mr. Bruce Paine
California Regional Water
Quality Control Board
Santa Ana Region
6809 Indiana Avenue Suite 200
Riverside, California 92506

Dear Mr. Paine:

Enclosed is a copy of a recent letter to Broco Inc. They are a State approved hazardous waste treatment facility.

Because some of the waste will burn instead of explode, Broco can not dispose of the waste until their petition for a special burn permit is approved by the A.Q.M.D.

I will continue to press the issue and will let you know when the pond is empty.

Sincerely,

APOLLO MANUFACTURING COMPANY

A handwritten signature in cursive script that reads "Ralph Apel".

Ralph Apel
Vice President

RA/lr
Enclosure

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION

6809 INDIANA AVENUE, SUITE 200
RIVERSIDE, CALIFORNIA 92506

PHONE: (714) 684-9330



October 1, 1985

Mr. Ralph Apel, Vice President
Apollo Manufacturing Company
P. O. Box 488
Rialto, CA 92376-0488 .

Dear Mr. Apel:

Thank you for your August 21, 1985, letter regarding the status of your waste pond. While we understand the difficulties you are having in disposing of the remaining waste, we do not feel it should delay the submittal of your closure plan as required by Article 8 of Sub-Chapter 15. A time schedule can be submitted with a commencement date which corresponds to the date of disposal of the remaining waste.

Please be aware that a registered civil engineer or registered geologist must make the evaluation specified in Section 2582 b) 1), and certify their findings as to whether contamination exists.

Please submit by October 31, 1985, a specific closure plan and time schedule. Do not hesitate to contact me if I can be of any assistance.

Sincerely,

Bruce C. Paine
Engineering Associate

BCP:csi

BR 11/27/85

Kaulpa Apel, Vice President
Ipsilo Manufacturing Company
P.O. Box 488
Kialto - A 72376-0488

Dear Mr. Apel

In our October 1, 1985 letter we requested that you submit a closure plan for your waste pond by October 31, 1985. To date we have not received it. Please submit it or an explanation for its delay by (15 days).

If we can be of assistance, please contact me or have your staff contact

_____ of the _____ section.

Sincerely

AS 162