UNITED STATES OF AMERICA
CONSUMER PRODUCT SAFETY COMMISSION

CPSC/OFC OF THE SECRETARY
FREEDOM OF INFORMATION
1998 APR 20 P 5:09

In the Matter of CENTRAL SPRINKLER CORP., and CENTRAL SPRINKLER CO., Respondents	)	CPSC DOCKET NO. 98-2

FIRST REQUESTS FOR PRODUCTION OF DOCUMENTS AND THINGS TO RESPONDENTS CENTRAL SPRINKLER CORP. AND CENTRAL SPRINKLER CO.

Complaint Counsel hereby propounds its First Requests for Production of Documents and Things upon Respondents Central Sprinkler Corp. and Central Sprinkler Co.

PLEASE TAKE NOTICE that pursuant to 16 C.F.R. § 1025.33, Respondents must respond to these Requests within 30 days after service of same; inspection of the items requested shall take place on that same day at the office of Complaint Counsel, Consumer Product Safety Commission, Office of Compliance, 4330 East West Highway, Bethesda, MD 20814.

PLEASE TAKE FURTHER NOTICE that pursuant to 16 C.F.R. § 1025.31, Respondents are under a continuing duty to supplement their responses to the staff's discovery requests to include information later obtained, regardless of whether the response to the discovery request was complete when made.

DEFINITIONS

Throughout the following Requests and Definitions, unless the context otherwise requires, the singular includes the plural, the masculine includes the feminine, and neuter, or vice versa.

As used herein, the terms below are defined as follows:

"Activate" in the context of Omega sprinklers means full opening (as opposed to partial opening) of the sprinkler -- i.e., full release of the plunger housing -- upon exposure to the Omega's triggering temperature.

"Adhesion" and "Adhered," in the context of a sprinkler "o" ring, refers to adhesion or adhered to the plunger housing and/or main housing of the sprinkler.

"Cause" means to bring about, effect, make happen, contribute to, induce, produce, and/or compel.

"Claim" refers to all lawsuits, governmental actions or orders, disputes, demands for payment, indemnification or reimbursement, complaints, and/or potential lawsuits that contain allegations against you and/or your agents and/or employees.

"Communication" means any transfer of information, ideas, opinions or thought by any means at any time or place under any circumstances, including any transfer of data from one location to another by electrical, electronic or similar means.

"Distribute" means to deliver, sell, give, allot, or otherwise provide, and includes the giving away of free samples and promotional items.

"Document" or "Record" shall have the broadest meanings permissible, and shall include the original and any non-identical copy of any written, graphic, photographic, audio,

electronic or visual material, however produced or reproduced, of any kind or description, whether sent or received or neither, including, but not limited to: papers, books, letters, facsimiles, photographs, motion pictures, video tapes, audio recordings, correspondence, drawings, sketches, schematics, manuals, blueprints, work papers, intra- and interoffice communications, memoranda, notes, transcripts, minutes, reports, recordings of telephone or other conversations, or of interviews, conferences, or meetings, affidavits, statements, summaries, opinions, court pleadings, reports, indices, studies, analyses, evaluations, contracts, licenses, agreements, questionnaires, answers to questionnaires, statistical records, desk calendars, appointment books, diaries, telephone logs, lists, tabulations, charts, graphs, data sheets, computer tapes, disks, printouts or programs, microfilms, all other records kept by electronic, photographic, or mechanical means, and things similar to any of the foregoing, regardless of their author or origin, however denominated, no matter how produced or maintained, regardless of whether in your actual or constructive possession, custody or control, and regardless of whether or not communicated to any person other than the maker. A draft is a separate document or record within the meaning of this term.

If you claim that any document or record is privileged, specify the privilege claimed and the factual basis you contend supports the assertion of the privilege. If any document or record was, but is no longer, in your possession, custody, or control, provide the following information:

(a) state the disposition of the document or record;

(b) state the date such disposition was made;

(c) identify the present custodian of the document or record and state his or her

address or, if the document or record no longer exists, so state;

(d) identify the person who made the decision regarding the disposition of the document or record; and

(e) state the reason for the disposition and describe the document or record and the contents of the document or record, including the title, the author, the position or title of the author, addressee, the position or title of the addressee, whether indicated or blind copies were made, date, subject matter, number of pages, attachments or appendices, and all persons to whom the document was distributed, shown or explained.

"Field test," for purposes of these Interrogatories, shall mean any test performed on a sprinkler while it is installed in a sprinkler system.

"Identify" or "identity" shall mean, when referring to an individual person, the person's full name, present or last known employer, present or last known address, occupation, business position, and telephone number, and the relationship or association, if any, to a Respondent in this action.

When referring to an entity, the terms "identify" or "identity" shall mean its present and any former name(s), the business address of its principal place of business, its state of incorporation, registration, or organization, the identity and address of its registered agent in each state where it is present and doing business or has a place of business, its present officers, directors, and shareholders, and its relationship, if any, to a Respondent in this action. Once a person or entity has been identified in accordance with this paragraph, only the name of that person or entity need be listed in response to subsequent discovery

requesting the identification of that person or entity.

When referring to a document or record, the terms "identify" or "identity" shall mean a description of the document or record including its date of preparation and transmission, the author, sender and recipient, the custodian of the record, and a summary of the subject matter.

When referring to an Omega or other brand sprinkler, "identify" or "identity means to provide the following information:

(a) the sprinkler manufacturer

(b) model name and number;

(c) manufacture date;

(d) activation temperature;

(e) "o" ring type (if applicable)

(f) all dates of UL listing;

(g) the UL standards for safety under which the sprinkler is/was listed;

(h) the type of piping in which the sprinkler is or was installed (if applicable);

(i) the name, address and telephone number of the building in which the sprinkler was installed (if applicable); and the name, address and telephone number of the owner of that building;

"Manufacture" means to make, produce, assemble, fabricate, or work into usable form.

"Omega" means any and all models and makes (variations within a model) of Omega series or brand automatic fire sprinklers.

"Relating to" shall mean consisting of, referring to, describing, discussing, constituting, evidencing, containing, mentioning, concerning, pertaining to, citing, summarizing, analyzing,

or bearing any logical or factual connection with the matter discussed.

"UL" or "Underwriters Laboratories, Inc." means Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062 and any subsidiaries, divisions, or agents of Underwriters Laboratories, Inc.

"You," "your," "yourself" means the Respondent to whom this discovery is directed, including any officer, director, representative, insurer, agent or employee thereof, and also includes any agent, person or entity acting on your behalf.

INSTRUCTIONS

1. Each Request shall be answered completely, separately, and fully.

2. The following Requests are to be regarded as continuing. You are required to supplement or modify any response as additional or different information becomes known to you.

3. Each person consulted in answering any Response shall be identified in the body of the response to the particular Response.

4. If you cannot answer any Response in full after exercising due diligence, so state and answer or produce to the extent possible, specifying your inability to answer or produce the remainder, stating whatever information or knowledge you have concerning the unanswered portion or unproduced documents, and describing your efforts to secure the unknown information or unproduced documents.

5. If you assert any privilege in responding to any Response, state the type of privilege asserted and the basis for its assertion. In addition, briefly identify the document or record with respect to which the privilege is asserted. For any document or record with

respect to which a privilege is asserted, state:

(a) The type of document or record (e.g., letter, memorandum, contract, etc.), the date of the document, and the subject matter of the document or record;

(b) The name, address and position of the author of the document or record and of any person who assisted in its preparation;

(c) The name, address and position of each addressee or recipient of the document or record, or any copies of it; and

(d) The present location of the document or record and the name, address and position of the person having custody of it.

For any communication with respect to which a privilege is asserted, identify the persons or entities among whom the communication took place, the date of the communication, and the subject.

REQUESTS FOR PRODUCTION

REQUEST NO. 1

Provide all records relating in any way to your sale of any Omega sprinkler, including but not limited to purchase orders, shipping documents, billing statements and sales receipts.

REQUEST NO. 2

Provide all records relating in any way to your provision of any Omega sprinkler as a free sample or promotional item.

REQUEST NO. 3

Provide all records relating in any way to marketing and/or sale of Omega sprinklers by you.

REQUEST NO. 4

For each year in which you manufactured and/or distributed Omega sprinklers, provide all records relating in any way to

(a) your gross income;

(b) your net income;

(c) the amount in revenues generated from product sales;

(d) the amount in revenues generated from sales of Omega sprinklers.

REQUEST NO. 5

Provide all records relating in any way to the number of Omega sprinklers installed in the United States and/or its territories in:

(a) steel piping systems;

(b) copper piping systems;

(c) plastic piping systems;

(d) polybutylene piping systems;

(e) other piping systems not listed above (specify the type of piping system)?

REQUEST NO. 6

Provide all records relating in any way to the number of Omega sprinklers installed in the United States and/or its territories in:

a) private homes

b) apartment buildings

c) schools (including universities and colleges, public or private)

d) nursing homes

e) hospitals

f) detention facilities (including jails, juvenile detention facilities, etc.)

g) homeless shelters

h) facilities used for recreation (e.g., health clubs, gymnasiums, sports arenas, public pools, country clubs, etc.)

i) hotels

j) museums

k) offices (including office buildings)

l) warehouses with no public access areas

m) industrial facilities with no public access areas

REQUEST NO. 7

Provide all records relating in any way to the current sales price for each Omega make and/or model listed in your response to Complaint Counsel's Interrogatory No. 13.

REQUEST NO. 8

Provide the complete personnel files for all persons identified in your response to Complaint Counsel's Interrogatory No. 15.

REQUEST NO. 9

Provide the complete personnel files for all persons involved in design and/or development of each make and/or model Omega sprinkler.

REQUEST NO. 10

Provide all records relating in any way to the design of and/or specifications for each component part and each chemical (including lubricants), tool and/or substance used in the

Omega manufacturing process.

REQUEST NO. 11

Provide all records relating in any way to your acquisition of any component part, chemical (including lubricants, etc.), tool and/or substance identified in your response to Complaint Counsel's Interrogatory No. 17.

REQUEST NO. 12

Provide the complete personnel files of any persons who were/are employed by you who in any way took part or were involved in the design, specifications, and/or development of each component part, chemical (including lubricants, etc.), tool and/or substance identified in your response to Complaint Counsel's Interrogatory No. 17.

REQUEST NO. 13

Provide all records relating in any way to the procedures and specifications for the manufacture of each different make and/or model Omega sprinkler, including any changes in such procedures and/or specifications over time, including all tools, chemicals and substances used in the manufacture of same, including but not limited to cut sheets, drawings, and manufacturing instructions.

REQUEST NO. 14

Provide three samples of each make and model of Omega sprinkler that you have ever manufactured.

REQUEST NO. 15

Provide three samples of each tool, chemical and/or substance used in the manufacture of each make and model of Omega sprinkler. (If any such tools, chemicals and/or substances

are used for more than one make and/or model of Omega, you need only provide one set of three samples).

REQUEST NO. 16

Provide all records relating in any way to any chemical or substance used in the manufacture of Omega sprinkler(s) to prevent leaking of those sprinklers when they are later installed into a sprinkler system.

REQUEST NO. 17

Provide all records relating in any way to any tests performed by you or anyone else to assess whether and/or how each chemical and/or substance listed in your response to Complaint Counsel's Interrogatory No. 23 affects the operation of Omega sprinkler(s) or any Omega component part.

REQUEST NO. 18

Provide all records relating in any way to each communication between you and any persons and/or entities (including your employees, agents, and consultants) regarding each chemical and/or substance listed in your response to Complaint Counsel's Interrogatory No. 23.

REQUEST NO. 19

Provide all records relating in any way to each prototypes and/or precursors of any of the Omega sprinklers listed in your response to Complaint Counsel's Interrogatory No. 5.

REQUEST NO. 20

Provide the complete personnel files of any and all employees who were in any way involved in designing, developing and/or reviewing any and all prototypes and/or precursors

of any of the Omega sprinklers listed in your response to Complaint Counsel's Interrogatory No. 5.

REQUEST NO. 21

Provide all records relating in any way to any and all measures and/or procedures taken by you or anyone on your behalf at any time before, during, and/or after each Omega sprinkler is manufactured, to ensure that each Omega sprinkler will fully and properly activate when exposed to its activation (triggering) temperature.

REQUEST NO. 22

Provide all records relating in any way to any actual or alleged problems with, imperfections or flaws in, defects or deficiencies in or associated with any component part(s) of any Omega sprinkler, or any chemical, tool or substance used in manufacturing Omegas (including whether any component part has been or alleged to have been out of tolerance) of which you have knowledge or have been advised.

REQUEST NO. 23

Provide all records relating in any way to the mechanism of proper operation of each different make and model of Omega sprinkler, once exposed to its activation (triggering) temperature.

REQUEST NO. 24

Provide all records relating in any way to whether pressure (not internal to or part of the Omega itself) is required for activation of any make and/or model of Omega sprinkler.

REQUEST NO. 25

Provide all records relating in any way to the amount of pressure (not internal to or

part of the Omega itself) required for activation of each make and/or model of Omega sprinkler.

REQUEST NO. 26

Provide all records relating in any way to any non-Omega sprinklers that contain an "o" ring.

.REQUEST NO. 27

Provide all records relating in any way to the approval, listing and/or certification of each Omega make and/or model, and each adaptation or device to be used with any Omega make and/or model (such as the "helper spring"), including testing or submission for approval, listing and/or certification by a certifying laboratory or institution (such as UL or FM), and including all records relating in any way to whether approval, listing or certification was ever refused, withdrawn, discontinued or cancelled for any Omega sprinkler, sprinkler component part or allegedly assistive operating device (such as the helper spring), and/or whether any certifying laboratory or institution has ever objected to your sale and/or distribution of any Omega sprinkler.

REQUEST NO. 28

Provide all records relating in any way to any advertisement, representation, indication and/or suggestion in any marketing material that Omega sprinklers that are not listed or certified by FM are listed or certified by FM.

REQUEST NO. 29

Provide all records relating in any way to any advertisement, representation, indication and/or suggestion in any marketing material that Omega sprinklers that are not listed or

certified by UL are listed or certified by UL.

REQUEST NO. 30

Provide all records relating in any way to any Omega that did not or allegedly did not activate in a fire.

REQUEST NO. 31

Provide all records relating in any way to anyone who was injured or allegedly was injured as a result of or in association with a fire (including death incurred or allegedly incurred in attempting to escape the fire) in which any Omega did not or allegedly did not activate.

REQUEST NO. 32

Provide all records relating in any way to anyone who died or allegedly died as a result of or in association with a fire (including death incurred or allegedly incurred in attempting to escape the fire) in which any Omega did not or allegedly did not activate.

REQUEST NO. 33

Provide all records relating in any way to any property damage or allegedly property damage as a result of or in association with a fire (including death incurred or allegedly incurred in attempting to escape the fire) in which any Omega did not or allegedly did not activate.

REQUEST NO. 34

Provide all records relating in any way to any testing and/or examination of each Omega that failed to activate or allegedly failed to activate in a fire, the system in which that

Omega was installed, and/or any other sprinkler from the same site.

REQUEST NO. 35

Provide all records relating in any way to each Omega sprinkler of which you are aware or have been notified that, when tested, did not activate at 7 psig or below when exposed to its activation/triggering temperature.

REQUEST NO. 36

Provide all records relating in any way to any examination and/or test on any Omega of which you are aware that failed to activate or allegedly failed to activate at 7 psig or below when exposed to its activation/triggering temperature in testing, the system in which it was installed, and/or any other sprinkler from the same site.

REQUEST NO. 37

Provide all records relating in any way to any Omega sprinkler of which you are aware that, when tested in the field, did not activate or allegedly did not activate when exposed to its activation/triggering temperature.

REQUEST NO. 38

Provide all records relating in any way to any examination and/or test on any Omega of which you are aware that failed to activate or allegedly failed to activate when exposed to its activation/triggering temperature when tested in the field.

REQUEST NO. 39

Provide all records relating in any way to the design and/or development of the Omega "helper spring," and/or specifications for the manufacture of the "helper spring."

REQUEST NO. 40

If you contend that an Omega that is installed into a sprinkler system containing water at a pressure of at least 7 psig, that does not activate upon being exposed to its activation (triggering) temperature for long enough for its fusible like to melt, will activate if fitted with the "helper spring" (that Central has proposed for use with the Omega), provide all records that you claim or believe support your contention.

REQUEST NO. 41

Provide all records relating in any way to the method of operation of "helper spring."

REQUEST NO. 42

Provide all records relating in any way to any and all tests performed by you or anyone else to assess whether and/or how the "helper spring" affects the operation of an Omega sprinkler or any Omega component part.

REQUEST NO. 43

Provide all records relating in any way to your communications with any persons and/or entities (including your employees, agents, and consultants) regarding the operation and/or efficacy of the helper spring.

REQUEST NO. 44

Provide all records relating in any way to any Omega sprinkler or component of which you are aware or have been notified has cracked or broken, or allegedly cracked or broken.

REQUEST NO. 45

Provide all records relating in any way to any Omega sprinkler or component of which you are aware or have been notified has exhibited corrosion.

REQUEST NO. 46

Provide all records relating in any way to any Omega sprinkler or component of which you are aware or have been notified has leaked and/or weeped when tested or in a fire.

REQUEST NO. 47

Provide all records relating in any way to any Omega sprinkler or component of which you are aware or have been notified has activated unnecessarily or prematurely (either without or before being exposed to its activation/triggering temperature) when tested or in a fire

REQUEST NO. 48

If you contend that dezincification may cause an Omega to:

(a) leak and/or weep;

(b) activate prematurely and/or unnecessarily;

(c) fail to activate at 7 psig or below in testing (when the Omega is exposed to its activation/triggering temperature); and/or

(d) fail to activate in field testing (when the Omega is exposed to its activation/triggering temperature); and/or

(e) fail to activate in a fire (when the Omega is exposed to its activation/triggering temperature),

provide all records that you claim or believe support your contention.

REQUEST NO. 49

Provide all records relating in any way to any Omega with a plunger housing made of an alloy other than CDA 35330, from a plastic or copper piping system, that has exhibited or allegedly exhibited dezincification.

REQUEST NO. 50

Provide all records relating in any way to testing and/or examination of the system in which any Omega with a plunger housing made of an alloy other than CDA 35330, from a plastic or copper piping system, that has exhibited or allegedly exhibited dezincification, was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 51

Provide all records relating in any way to any Omega with a plunger housing made of CDA 35330 alloy, from a plastic or copper piping system, that has exhibited or allegedly exhibited dezincification.

REQUEST NO. 52

Provide all records relating in any way to testing and/or examination of the system in which any Omega with a plunger housing made of CDA 35330 alloy, from a plastic or copper piping system, that has exhibited or allegedly exhibited dezincification was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 53

Provide all records relating in any way to any Omega from a piping system that is neither copper or plastic that has exhibited or allegedly exhibited dezincification.

REQUEST NO. 54

Provide all records relating in any way to testing and/or examination of the system in which any Omega from a piping system that is neither copper or plastic, that has exhibited or allegedly exhibited dezincification, was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 55

Provide all records relating in any way to any Omega sprinkler from a copper or plastic piping system that did not exhibit dezincification, and that when exposed to temperatures at and/or in excess of its activation/triggering temperature, did not activate (1) at a pressure at or below 7 psig in testing; and/or (2) in a field test; and/or (3) in a fire.

REQUEST NO. 56

Provide all records relating in any way to testing and/or examination of the system in which any Omega that did not exhibit dezincification, and that when exposed to temperatures at and/or in excess of its activation/triggering temperature, did not activate (1) at a pressure at or below 7 psig in testing; and/or (2) in a field test; and/or (3) in a fire, was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 57

Provide all records relating in any way to any and all changes listed in your response to Complaint Counsel's Interrogatory No. 47.

REQUEST NO. 58

Provide all records relating in any way to any and all tests and/or examinations conducted to determine whether an Omega manufactured after any and all changes listed in your response to Complaint Counsel's Interrogatory No. 47 exhibits dezincification.

REQUEST NO. 59

Provide all records relating in any way to any and all substances that you contend have been used by sprinkler installers/contractors, plumbers and/or others directly involved in installation and/or maintenance of sprinkler systems, that may cause an Omega to:

(a) leak and/or weep;

(b) activate prematurely and/or unnecessarily;

(c) fail to activate at 7 psig or below in testing (when the Omega is exposed to its activation/triggering temperature); and/or

(d) fail to activate in field testing (when the Omega is exposed to its activation/triggering temperature); and/or

(e) fail to activate in a fire (when the Omega is exposed to its activation/triggering temperature).

REQUEST NO. 60

If you contend that the use of stop leak or other sealant, leakage prevention substance or pipe cement by sprinkler installers/contractors, plumbers and/or others directly involved in installation and/or maintenance of sprinkler systems may cause an Omega to:

(a) leak and/or weep;

(b) activate prematurely and/or unnecessarily;

(c) fail to activate at 7 psig or below in testing (when the Omega is exposed to its activation/triggering temperature); and/or

(d) fail to activate in field testing (when the Omega is exposed to its activation/triggering temperature); and/or

(e) fail to activate in a fire (when the Omega is exposed to its activation/triggering temperature),

provide all records that you claim or believe support your contention.

REQUEST NO. 61

Provide all records relating in any way to any and all Omegas that were exposed or were allegedly exposed to stop leak or any other sealant, leakage prevention substance or pipe cement.

REQUEST NO. 62

Provide all records relating in any way to testing and/or examination of the system in which any and all Omegas that have been exposed or allegedly have been exposed to stop leak or any other sealant, leakage prevention substance or pipe cement, were installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 63

Provide all records relating in any way to any and all Omegas that were not exposed to stop leak or any other sealant, leakage prevention substance or pipe cement, but that when exposed to temperatures at and/or in excess of its activation/triggering temperature, did not activate (1) at a pressure at or below 7 psig in testing; and/or (2) in a field test; and/or (3) in a fire?

REQUEST NO. 64

Provide all records relating in any way to any and all changes listed in your response to Complaint Counsel's Interrogatory No. 51.

REQUEST NO. 65

Provide all records relating in any way to any and all tests and/or examinations conducted to determine whether an Omega manufactured after any and all changes listed in your response to Complaint Counsel's Interrogatory No. 51 was affected by the use of stop

leak or any other sealant, leakage prevention substance or pipe cement.

REQUEST NO. 66

If you contend that the use of cutting oil or other substances used by sprinkler installers/contractors, plumbers and/or others directly involved in installation and/or maintenance of sprinkler systems to cut pipe may cause an Omega to:

(a) leak and/or weep;

(b) activate prematurely and/or unnecessarily;

(c) fail to activate at 7 psig or below in testing (when the Omega is exposed to its activation/triggering temperature); and/or

(d) fail to activate in field testing (when the Omega is exposed to its activation/triggering temperature); and/or

(e) fail to activate in a fire (when the Omega is exposed to its activation/triggering temperature),

provide all records that you claim or believe support your contention.

REQUEST NO. 67

Provide all records relating in any way to any Omega that was exposed or was allegedly exposed to cutting oils or other substances used to cut pipe.

REQUEST NO. 68

Provide all records relating in any way to testing and/or examination of the system in which any Omega that has been exposed or allegedly has been exposed to cutting oils or other substances used to cut pipe, was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 69

Provide all records relating in any way to any Omega sprinkler that was not exposed to cutting oil or other substance used to cut pipe, but that when exposed to temperatures at and/or in excess of its activation/triggering temperature, did not activate (1) at a pressure at or below 7 psig in testing; and/or (2) in a field test; and/or (3) in a fire.

REQUEST NO. 70

Provide all records relating in any way to testing and/or examination of the system in which any Omega that was not exposed or allegedly exposed to cutting oils or other substances used to cut pipe, but that when exposed to temperatures at and/or in excess of its activation/triggering temperature, did not activate (1) at a pressure at or below 7 psig in testing; and/or (2) in a field test; and/or (3) in a fire, was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 71

Provide all records relating in any way to any and all changes listed in your response to Complaint Counsel's Interrogatory No. 55.

REQUEST NO. 72

Provide all records relating in any way to the testing and/or examination of any Omega manufactured after any and all changes listed in your response to Complaint Counsel's Interrogatory No. 55, to determine whether it was exposed to cutting oil or other substance used to cut pipe

REQUEST NO. 73

If you contend that swelling of the "o" ring in an Omega sprinkler may cause the

Omega to:

(a) leak and/or weep;

(b) activate prematurely and/or unnecessarily;

(c) fail to activate at 7 psig or below in testing (when the Omega is exposed to its activation/triggering temperature); and/or

(d) fail to activate in field testing (when the Omega is exposed to its activation/triggering temperature); and/or

(e) fail to activate in a fire (when the Omega is exposed to its activation/triggering temperature),

provide all records that you believe or claim support your contention.

REQUEST NO. 74

Provide all records relating in any way to any and all Omegas containing an EPDM "o" ring, from a steel piping system, that have exhibited or allegedly exhibited "o" ring swelling.

REQUEST NO. 75

Provide all records relating in any way to testing and/or examination of the system in which any Omega containing an EPDM "o" ring, from a steel piping system, that has exhibited or allegedly exhibited "o" ring swelling, was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 76

Provide all records relating in any way to any Omega containing a silicone "o" ring, from a steel piping system, that has exhibited or allegedly exhibited "o" ring swelling.

REQUEST NO. 77

Provide all records relating in any way to testing and/or examination of the system in which any Omega containing a silicone "o" ring, from a steel piping system, that has exhibited or allegedly exhibited "o" ring swelling, was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 78

Provide all records relating in any way to any Omega from a piping system that is not steel that has exhibited or allegedly exhibited "o" ring swelling.

REQUEST NO. 79

Provide all records relating in any way to testing and/or examination of the system in which any Omega, from a steel piping system, that has exhibited or allegedly exhibited "o" ring swelling, was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 80

Provide all records relating in any way to any Omega from a steel piping system that did not exhibit "o" ring swelling, but that when exposed to temperatures at and/or in excess of its activation/triggering temperature, did not activate (1) at a pressure at or below 7 psig in testing; and/or (2) in a field test; and/or (3) in a fire.

REQUEST NO. 81

Provide all records relating in any way to testing and/or examination of the system in which any Omega that did not exhibit "o" ring swelling, but that when exposed to temperatures at and/or in excess of its activation/triggering temperature, did not activate (1) at

a pressure at or below 7 psig in testing; and/or (2) in a field test; and/or (3) in a fire, was installed, and/or testing and/or examination of any other sprinkler from the same site.

REQUEST NO. 82

Provide all records relating in any way to any and all changes listed in your response to Complaint Counsel's Interrogatory No. 61.

REQUEST NO. 83

Provide all records relating in any way to the testing and/or examination of any Omega manufactured after any and all changes listed in your response to Complaint Counsel's Interrogatory No. 61, to determine whether it exhibits "o" ring swelling.

REQUEST NO. 84

Provide all records relating in any way to the methods used by you or anyone on your behalf to determine whether an Omega has a swollen "o" ring.

REQUEST NO. 85

If you contend that adhesion of an Omega sprinkler's "o" ring to the plunger housing or main housing of the Omega may cause the Omega to:

(a) leak and/or weep;

(b) activate prematurely and/or unnecessarily;

(c) fail to activate at 7 psig or below in testing (when the Omega is exposed to its activation/triggering temperature); and/or

(d) fail to activate in field testing (when the Omega is exposed to its activation/triggering temperature); and/or

(e) fail to activate in a fire (when the Omega is exposed to its activation/triggering

temperature),

provide all records that you claim or believe support your contention.

REQUEST NO. 86

Provide all records relating in any way to any Omega that has exhibited or allegedly exhibited "o" ring adhesion.

REQUEST NO. 87

Provide all records relating in any way to any and all changes listed in your response to Complaint Counsel's Interrogatory No. 64.

REQUEST NO. 88

Provide all records relating in any way to the testing and/or examination of any Omega manufactured after any and all changes listed in your response to Complaint Counsel's Interrogatory No. 64, to determine whether the Omega exhibits "o" ring adhesion.

REQUEST NO. 89

Provide all records relating in any way to the methods used by you or anyone on your behalf to determine whether an Omega exhibits "o" ring adhesion.

REQUEST NO. 90

Provide all records relating in any way to any and all fires in which all Omegas exposed to temperatures at or in excess of their activation/triggering temperature activated.

REQUEST NO. 91

Provide all records relating in any way to any testing and/or examination of any Omegas from sites in which all Omegas exposed to temperatures at or in excess of their activation/triggering temperature activated.

REQUEST NO. 92

Provide all records relating in any way to any tests and/or examinations of Omega sprinklers conducted by you or anyone on your behalf.

REQUEST NO. 93

Provide all records relating in any way to any and all tests and/or examinations of Omega sprinklers conducted pursuant to the protocol in UL 199 or UL 1626, that one or more Omegas did not pass (according to the criteria listed in UL 199 for that test).

REQUEST NO. 94

Provide all records relating in any way to any testing of any Omega conducted by you or on your behalf in which the Omega that, upon being exposed to its activation/triggering temperature, did not activate within 5 seconds at a pressure at or below 7 psig pressure.

REQUEST NO. 95

Provide all records relating in any way to any meetings, discussions and/or communications in which you were in any way involved, and/or which you have received, in which the following were discussed:

a) failure of Omega sprinklers to activate in testing or in a fire;

b) dezincification as a cause or possible cause of Omega non-activation in testing or in a fire;

c) stop leak or other leak prevention substance as a cause or possible cause of Omega non-activation in testing or in a fire;

d) "o" ring swelling as a cause or possible cause of Omega non-activation in testing or in a fire;

e) "o" ring adhesion as a cause or possible cause of Omega non-activation in testing or in a fire;

f) excessive hydrocarbons as a cause or possible cause of Omega non-activation in testing or in a fire;

g) improper system design as a cause or possible cause of Omega non-activation in testing or in a fire;

h) UL listing or certification of any Omega sprinkler or sprinkler assistive device such as the "helper spring;"

i) FM listing or certification of any Omega sprinkler or sprinkler assistive device such as the "helper spring;"

j) NFPA 13 requirements or applicability with respect to fire sprinklers or sprinkler systems;

k) NFPA 25 requirements or applicability with respect to fire sprinklers or sprinkler systems;

l) UL 199 requirements or applicability with respect to fire sprinklers or sprinkler systems;

m) UL 1626 requirements or applicability with respect to fire sprinklers or sprinkler systems.

REQUEST NO. 96

Provide all records relating in any way to any problem, potential problem, complaint or concern (including any reports of nonactivation or possibility of nonactivation) or which you have been notified, regarding or in any way relating to an Omega sprinkler.

REQUEST NO. 97

Provide all records relating in any way to your notification (or notification on your behalf) of any person and/or entity of any and all problems, potential problems, complaints or concerns (including any reports of nonactivation or possibility of nonactivation) regarding or in any way related to any Omega sprinkler.

REQUEST NO. 98

Provide all records relating in any way to any and all requests for information by you (or on your behalf) to any sprinkler contractor or sprinkler owner regarding any Omega sprinkler, including the sprinkler contractor or owner's response.

REQUEST NO. 99

Provide all records relating in any way to your (or anyone on your behalf's) provision (either by sale or without charge) of sprinklers to anyone to replace some or all of the Omegas installed in a particular location.

REQUEST NO. 100

Provide all records relating in any way to the cost of replacement of any and all Omega sprinklers.

REQUEST NO. 101

Provide all records relating in any way to your testing (or testing on your behalf) of any Omega sprinklers from any building or structure in which Omega sprinklers are/were installed.

Deborah S. Orlove

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DATED: April 20, 1998

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CERTIFICATE OF SERVICE

The undersigned hereby certifies that on this date, Complaint Counsel's **First Set of Interrogatories to Respondents Central Sprinkler Corp. and Central Sprinkler Co.** and **First Requests for Production of Documents and Things to Respondents Central Sprinkler Corp. and Central Sprinkler Co.** were deposited in the United States Mail, via certified delivery, postage pre-paid, addressed to the following:

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Dated: 4/20/98

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