

M-739

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Formerly Utilized Sites Remedial Action Program (FUSRAP)

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# ADMINISTRATIVE RECORD

for the Maywood Site, New Jersey

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**US Army Corps  
of Engineers®**

FUND 34 1000 0 5 10 1991

CONCERNED  
CITIZENS  
of MAYWOOD (CCM)

FAX - 201-545-3271  
Tel - 201-545-5992

FOR IMMEDIATE RELEASE

MAY 20, 1991

138-LOA-666C-~~XXXX~~  
M-739

To: BEN WOOD US COE  
From: WILLIAM T. NOLAN (CCM) EMU. HSA.  
Re: ELECTIONS

1. Letter of March 30, 1991 from  
WILLIAM T. NOLAN to KENNETH L. HARRIS  
MAYWOOD DIRECTOR OF THE DISTRICT AND  
HOW MANY OFFERS (with attachments)
2. Letter of April 30, 1991 from  
NAYROLA to W.T. NOLAN (CCM) - no  
attachment.
3. Letter of May 7, 1991 from  
NAYROLA to W.T. NOLAN - no  
attachment.
4. Two letters dated March 12, 1991  
from K. LAYROLA - HSA to W.T. NOLAN  
AND County Executive W.A. SCHWENK.
5. Two sided Kevon distributes  
by CCM at MAY 16<sup>th</sup> MAYWOOD  
"SIDEWALK SALE"

William T. Nolan

CONCERNED  
CITIZENS  
of MAYWOOD



Total Pages 20

FOR IMMEDIATE RELEASE

Tel. 201-845-5992

Fax 201-845-3271

March 30, 1998

HUD Newark Area Office  
Region II  
One Newark Center  
Newark, N.J. 07102

Attention: Ms. Kathleen Naymola, Acting Director  
CPD Division  
Dept. of Housing & Urban Development  
One Newark Center  
Newark, New Jersey 07102

FAX-1-973-645-4461

Re: March 2<sup>nd</sup> 1998, Legal Notice of Finding of No Significant Impact And Intent  
To Request Release of Funds, County of Bergen - Project: Borough of  
Maywood, Construction of Maywood Senior Citizen Center.

The Environment Review has numerous omissions of facts/truth in responses and facts/conditions that were ignored, to the extent that funds should not be considered for release, but rather an examination of these actions should be initiated. It could be that an environmental clean up should or must take place before construction of any project.

The Health Assessment of Maywood Chemical Company Sites prepared by New Jersey Dept. of Environmental Protection (NJDEP) for the agency for toxic substances and Disease Registry (ATSDR) on Page 17 states, "Before suspected areas of contamination are developed both on site contamination and the potential off-site migration of contaminants need to be fully evaluated. Developing an area, without characterizing potential contamination could lead to an adverse impact on the public health."

Project's use of SLAB construction and Hackensack Water rather than well water indicates a concern for the contaminated ground water that is present. This is understandable since the area including the pool parking lot is on top of the old swamp area.

Enclosed is an Our Town news clip, August 9, 1973, that attests to the "ever flooded area at the foot of West Magnolia Avenue" and "the waters now over flowing the banks of Westerly Brook during heavy rains."

Read enclosed flyer (5/15/93) "Are the Pool Grounds Free and Clear of Chemical and Radiological Contamination?" Note pool parking grounds have not been tested and consultant to County Board of Health's Mark Guarino questions radioactive report.

The County CD information came from an NJDEP representative and Mr. Tiffinger, County Board of Health by phone conversation - with no written reports for file. Appears to be no conversations with DOE and EPA. Note enclosed DOE letter 11/21/96 regarding plans for ground water characterization in 1998 for preparation of the focused feasibility study and incorporation of the proposed ground water remedy into the site-wide proposed plan. Might this plan take care of the Magnolia Avenue contaminated ground water?

We are at a loss as to why CD did not consult EPA. Why? Because under CERCLA, responsible parties may be held liable for all costs incurred by the federal government in taking response action with respect to sites where there has been a release or a threatened release of hazardous substances. EPA previously notified Stepan Company of its status as a potentially responsible party for the site within the meaning of Section 107 (a) of CERCLA, 42 U.S.C. - 9607 (a). This is substantiated by enclosed letter from Kathleen Callahan, Director, Emergency and Remedial Response Division to Jeffrey W. Bantlett, V.P. Stepan Chemical Company. Yes, EPA should be involved!

Even more so when you read this writer's letter to Thomas B. Harrington, Supervisor, NJDEPE - Div. Of Water Resources regarding EPA saying they will conduct further investigations of the West Magnolia wells if contaminants similar to those found in private wells are found at the Superfund Site (EPA Project Mgr., Pat Evangelista).

Indeed Arnold Schiffman's (NJDEP) letter of June 10, 1987 confirms the same chemicals in West Magnolia Avenue wells and well for Maywood Municipal pool had also been detected in wells around the interim storage site. Yes, the EPA should be involved.

It appears EPA did not investigate and NJDEP did nothing despite the known contaminated site listing of Magnolia Avenue ground water contamination. Known contaminated "Sites in New Jersey include active and pending sites with confirmed contamination present at levels greater than the applicable clean up criteria for soil and/or ground water standards. Contamination is normally identified at a site through sampling of soil, surface water and/or ground water." (This is from NJDEP literature).

But Mr. Richards' opinion is that "Low level contamination" of ground water on Magnolia Avenue will have no effect on the planned Senior Center. Is his "Low

level" greater than applicable clean up criteria? Did he sample soil and ground water?

But the comment reaches a real low level saying Duvier Place is not listed in any of the "Known Contaminated Sites" lists. But note that Magnolia Ave. is listed ~~in~~ the most recent copies! The truth is Magnolia Ave. was listed at least as far back as 1990. We have a copy. The comment says Magnolia Ave. is isolated occurrences of ground water contamination. As stated previously and documented, West Magnolia wells have same contaminants as wells around the interim storage site as does the municipal pool. By the way was Duvier Place tested?

The attempt is made, is it not, to try and establish that the project will only be on Duvier Place and not West Magnolia Ave., and that Magnolia Ave. has contaminated ground water but not Duvier Place?

We challenge them to show that none of the project would be on West Magnolia Ave. but only on Duvier Place.

And also that they read Maywood Ordinance (17-97) authorizing the Borough of Maywood to construct a new Seniors Center at the intersection of Duvier Place and West Magnolia Avenue in the Borough. The Ordinance speaks the truth. Project would be on both streets.

Final reading is Ordinance (23-97) vacating a portion of Duvier Place within the Borough and amending the official map of the Borough of Maywood. Part of the project would no longer be on Duvier Place because it was vacated so project is now only on West Magnolia Ave. which is on the known contaminated list for ground water contamination.

We plan to deliver to CD in Hackensack copies of a cancer cluster study by former Maywood Board of Health member, John Tamburro. His comments will challenge numerous responses in the review, such as there is a power generating plant one block from project.

Also we will furnish copies of Dr. Marvin Resnikoff's challenging comments on the DOE EE/CA for clean up of residential and municipal properties at Maywood site. Actually it deals with Lodi sites and only radiological not chemical contamination. And the same for DOE's measurements at 19 commercial sites. Resnikoff is a consultant for CCM via EPA Tag Grant.

We did not have the opportunity to discuss the yes - no responses in the review and where there are no checked responses with CD in Hackensack. We would appreciate that opportunity.

We are enclosing copies of two letters from NJDEP to Senator Paul Contillo dated October 30, 1987 and April 27, 1989 regarding detection of (PCE) Tetrachloroethylene throughout the Borough in non public wells, and in private wells on West Magnolia Avenue.



Michael J. Nolan  
69 Lenox Avenue  
Maywood, N.J. 07607

cc: Joseph Rutch, Director, Bergen County Community Development  
Angela Carpenter, USEPA Region II  
D. Gaffigan, NJDEP  
Maywood Planning Board  
M. Guarino, Bergen County Board of Health  
The Record, Shopper News, Our Town, Herald News  
Pat Schuber, County Executive

P.S. We notice legal notice of March 2, 1998 said request for release would be made on 3/18/98, but review shows request for release signed by Joseph Rutch was dated March 26, 1998.

# OUR TOWN

MAYWOOD—N.J.—ROCHELLE PARK  
843-5700

Thursday, August 9, 1973

TEN CENTS

## Our Town Talk of Our Town ROCHELLE PARK NEWS page 2 page 3 page 4 page 5, 6

# Finally -- Westerly Brook Begins to Make Waves

Maywood's own assemblyman, Ed Hynes (351 Maywood) is a most happy young man.

Hynes, who at 27, is one of the state's youngest legislators, is finishing his first two-year term and is already well into his candidacy for re-election.

But the news which has buoyed his spirits is the official announcement of the NJ Department of Transportation last week that bids will be received on August 23 for "Improvement in the Vicinity of Westerly Brook."

The project, which it is estimated will cost over a quarter-million dollars, has been a controversial one ever since Hynes entered the picture. Political opponents termed his entry into the continued efforts on the part of Maywood to get Westerly Brook as grand-standing and making predictions that would never materialize.

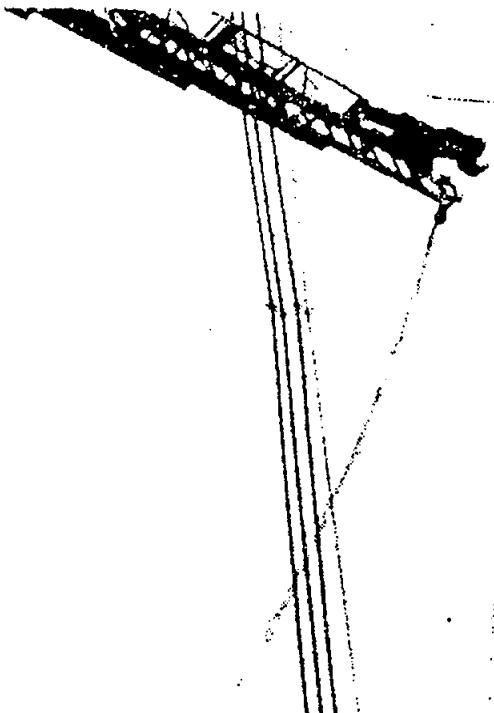
However, it has been apparent during the intervening 18 months that the young assemblyman has kept abreast of the complicated project and pursued it continually in Trenton. Hynes paid special tribute to Fred DePhillips, deputy commissioner of transportation, for keeping true to his promise of making Westerly Brook a "must" project and to Mayor Manning for insisting the latest effort and for bringing it to his attention.

The official announcement said that sealed bids for "Route 17 (1957), Section 29, Partridge Impave-

erly Brook, in the Township of Rochelle Park" will be received by the state Commissioner of Transportation in Trenton on August 23 at 10 a.m.

Hynes said that he hoped work would start soon afterwards and be completed in the near future. The bidding specifications indicate that the work is to be completed on or before July 19, 1974.

The work involved will primarily provide a culvert under Route 17 which will carry away the waters now overflowing the banks of the Westerly Brook every time that heavy rains fall, such as occurred last Thursday. Residents in Maywood's low-lying area near the Brook admit that in number, have frequently been inundated with the water rising several feet in basements and in the living rooms of homes without basements. If no new ditch develops, Westerly Brook's disastrousness over time it rains.



AT THE END  
1000 Old Allen  
AT THE FOOT

ARE THE POOL GROUNDS FREE AND CLEAR OF  
CHEMICAL AND RADIOLOGICAL CONTAMINATION ?

At last Tuesday's council meeting nobody seemed to know about the results of the soil sampling reported in a letter of January 29, 1993 to Mary Carton, Health Inspector, from Susan Cange, Department of Energy (DOE)?

Nor about the review of the radiological data in Cange's letter by Steven Black, Teledyne Radiological Services manager, that he reported to Mark Guarino, County Health Dept., dated March 23, 1993?

Following is the text of the review:

- ◆ *Review of the radiological data found in the letter dated January 29, 1993, from Susan Cange to Ms. Mary Carton*

✓ The statement "Consistent with previous radiological surveys, the results indicate that there is no radioactive contamination above natural background concentrations on the pool property" is not supported by the data provided. There is no background data provided in the document nor are there any specific background references.

In Environmental Radioactivity From Natural, Industrial, and Military Sources, by Merrill Eisenbud. UNSCEAR (1958) is referenced to indicate that the natural levels of U-238 in various soils range from 0.4 to 1.3 pCi/gram. The data provided in the pool data indicate that the levels in all the samples are greater than this. The pool data also indicate that two of the four samples had U-238 activity that was equal to the Minimum Detectable Activity (MDA). The MDA's were 4.5 and 6.2 pCi/gram for samples 138SP010 and 138SP011. Assuming that the other samples are indicative of the background levels for the local area and that value is approximately 3 pCi/gram or less, why weren't the samples with MDA's greater than the expected background recounted so that the MDA's were less than or equal to 3 pCi/gram? We think this question should be posed to the DOE.

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It does not appear that the pool grounds data passed the review - - but nothing further has been done.

The pool parking lot was NOT tested!!! Why???

It is not known if the large grassy area was tested? Why?

Note that it is only a review of the radiological data. What about non radiological? Who will do that? Cange copied her letter to Jeff Gratz, EPA, but without copy of the survey!!! Is that his review???

So chemical data has not been reviewed and should be! Cange said several metals were at concentrations above background but ends up saying they are of no health concerns?

The pool is not a vicinity property and N.J. DEPE, not DOE, should have made the survey, and should be called in now. We do not trust the DOE. They have earned our mistrust. We can prove it.

What happened to the Cange letter and data since it was received the first week in February and Mr. Black's review dated March 23, 1993???

How can such a matter be so ignored and/or withheld from the council members?

Action and a full public report appear mandatory.

Michael J. Nolan  
Concerned Citizens





148441

M-615

Department of Energy

Oak Ridge Operations Office  
P.O. Box 2001  
Oak Ridge, Tennessee 37831-8723

November 21, 1996

Ms. Angela Carpenter  
U.S. Environmental Protection Agency  
Region II  
290 Broadway, 18th Floor  
New York, New York 10007-1866

Dear Ms. Carpenter,

**MAYWOOD SITE - SCHEDULE FOR GROUNDWATER CHARACTERIZATION**

This letter is to inform you that the Department of Energy will not be conducting any field work this fall for groundwater characterization at the Maywood site. We had mentioned this possibility both in the Groundwater Sampling and Analysis Plan (which you are currently reviewing) and the transmittal letter dated October 22, 1996. Property access agreements, which are necessary in order to do the offsite survey and sampling activities, have not been forthcoming. We have been diligently pursuing access to the properties necessary to implement the investigation and are currently planning for field work to begin in the spring of 1997. Although the delay will affect the amount of data we can collect from the sampling and monitoring wells, we are hopeful that this schedule will still allow adequate time for data analysis, preparation of the Focused Feasibility Study and incorporation of the proposed groundwater remedy into the site-wide Proposed Plan.

If you have any questions or would like to discuss this further, please call me at (423)576-5724.

Sincerely,

Susan M. Cange, Site Manager  
Former Sites Restoration Division

*Delayed  
until  
1998*

cc: Donna Gaffigan, NJDEP



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 2  
290 BROADWAY  
NEW YORK, NY 10007-1866

SEP 29 1995

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Jeffrey W. Bartlett  
Vice President, Secretary  
and General Counsel  
Stepan Chemical company  
22 West Frontage Road  
Northfield, IL 60093

Re: Maywood Chemical Company Site, Maywood, Bergen County, New Jersey:  
Administrative Order on Consent (Index No. II-CERCLA-70104) and  
Administrative Order (Index No. II-CERCLA-10105)

Dear Mr. Bartlett:

The U.S. Environmental Protection Agency (EPA) is charged with responding to the release or threatened release of hazardous substances, pollutants and contaminants into the environment and with enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. § 9601, *et seq.* As you know, EPA has documented the release and threatened release of hazardous substances into the environment at the Maywood Chemical Superfund Site, in Maywood, Bergen County, New Jersey (the "Site").

In accordance with CERCLA, EPA has taken various response actions with respect to the release and threatened release of hazardous substances at the Site. These response actions include, but are not limited to: issuance of the above-captioned Administrative Order on Consent (AOC) requiring Stepan Company to perform a Remedial Investigation and Feasibility Study (RI/FS) on the Sears and Adjacent Properties portion of the Site; issuance of the above-captioned Unilateral Administrative Order (UAO) requiring Stepan Company to perform an RI/FS on the Stepan-owned portion of the Site; and various additional investigative, community relations and other activities in connection with the Site. Moreover, EPA continues to incur response costs with respect to the Site.

Under CERCLA, responsible parties may be held liable for all costs incurred by the federal government in taking response actions with respect to sites where there has been a release or a threatened release of hazardous substances. EPA previously notified Stepan Company of its status as a potentially responsible party for the Site within the meaning of Section 107(a) of CERCLA, 42 U.S.C. § 9607(a).

EPA has previously provided Stepan Company with a summary of the response costs incurred by EPA with respect to the Site through March 30, 1994. In accordance with that cost summary and Section 107(a) of CERCLA, 42 U.S.C. § 9607(a), demand is hereby made for payment of \$470,553.09 plus any and all interest recoverable under Section 107(a) of CERCLA or any other provision of law. This amount, less interest, represents 56% of oversight costs incurred by EPA in connection with response actions undertaken by Stepan Company at the Site from September 21, 1987 through March 30, 1994 under both the above-referenced orders.

Please note that this demand does not necessarily represent the entirety of all costs incurred by EPA to date. Any costs which are not included in this demand may be demanded separately or at another time by the United States.

Interest on past costs incurred shall accrue from the date of this demand for payment or any earlier demand, whichever is earlier; interest on future costs shall accrue from date of expenditure. Interest rates are variable. The rate applicable on any unpaid amounts for any fiscal year is the same as is specified for interest on investments of the Hazardous Substance Superfund. The current annual rate of interest on unpaid costs is 5.63%.

All of the costs incurred by EPA with respect to the Site are charged to the Hazardous Substance Superfund (the "Fund"), established pursuant to 26 U.S.C. §9507 and administered by EPA. Remittance must be made payable to the "U.S. EPA Hazardous Substance Superfund", established pursuant to CERCLA in Title 26, Chapter 98 of the Internal Revenue Code, must reference the Maywood Chemical Company Site, and must be remitted by a certified or cashier's check to the following address:

U.S. EPA Superfund  
Region II Hearing Clerk  
P.O. Box 360188M  
Pittsburgh, PA 15251

To ensure that your payment is properly recorded, the check should be accompanied by a letter identifying the paying party and the name and docket number of the order. For EPA's records copies of the bill, check and accompanying letter should be sent to Mr. William Tucker, Office of Regional Counsel, 290 Broadway, 17th Floor, New York, New York, 10007-1866.

If you have any questions regarding this matter, please contact Angela Carpenter of my staff at (212) 637-4433. Legal inquiries should be directed to Mr. Tucker, Assistant Regional Counsel, at (212) 637-3319.

Sincerely yours,

*Kathleen Callahan*

Kathleen Callahan, Director  
Emergency and Remedial Response Division

cc: N. Marton, NJDEP

CONCERNED

CITIZENS



Hand Delivered

of MAYWOOD

69 Lenox Avenue  
Maywood, NJ 07607  
November 30, 1992  
(201) 845-5992

TO: Thomas B. Harrington, Supervisor  
NJDEPE - Div. of Water Resources  
Metro Bureau of Water Resources  
2 Babcock Place  
West Orange, NJ

RE: A report on the West Magnolia Avenue Maywood private wells contamination  
July, 1989 ]

(1) See Page 3 - 1st Paragraph - (Farm Road Realities)

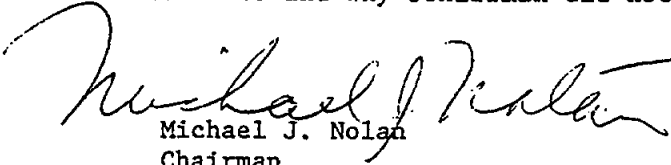
Sampled for compounds March 18 and 19, 1989.  
Results not yet reported.  
Please furnish copy of results of sampling.

(2) Page 4 - 3rd Paragraph (Stepan/Maywood)

Maywood private wells contamination investigation not planned at this time by USEPA - They will conduct further investigations of the West Magnolia wells if contaminants similar to those found in private wells are found at the Superfund Site (Project Mgr. Pat Evangelista).

Enclosed is copy of June 10, 1987 letter from Arnold Schiffman, Administrator, Water Quality Management in which Mr. Schiffman advised that the same chemicals had also been detected in monitoring wells around the interim storage site.

Please advise when the investigation will commence and why Schiffman did not advise you.

  
Michael J. Nolan  
Chairman

Enc.

cc: A-List

12/1/92

50A

Let's protect our earth



State of New Jersey  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
CN 029  
TRENTON, NEW JERSEY 08625

GEORGE G. McCANN, P.E.  
DIRECTOR

DIRK C. HOFMAN, P.E.  
DEPUTY DIRECTOR

CERTIFIED MAIL  
RETURN RECEIPT REQUEST

John Tamburro  
Member of the Board of Health of Maywood  
142 West Central Avenue  
Maywood, NJ 07607

JUN 10 1987

Dear Mr. Tamburro:

Re: Maywood Chemical Company site, Maywood, New Jersey

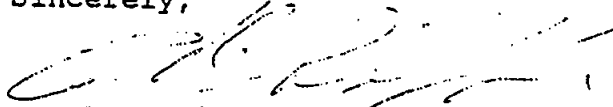
I am writing in response to your letter of April 29, 1987 concerning the Maywood Chemical Company site. You indicated chloroform, tetrachloroethylene, trichloroethylene, and 1,2-dichloroethylene were found in homeowner wells on West Magnolia Avenue and in the well for the municipal pool. These chemicals have also been detected in monitoring wells around the interim storage site. You suggest that a study of the chemical contamination at the site should be conducted before more thorium contaminated soil is brought to the interim storage site.

The Bureau of Safe Drinking Water of the Division of Water Resources has been alerted to the organic chemical contamination on West Magnolia Avenue. They may be contacted for advice or assistance at (609) 984-7945.

It is our understanding through telephone conversations with the Department of Energy that no new material will be added to the storage pile in 1987. Further, approximately 25 additional monitoring wells are to be installed this summer at the interim storage site and on Stepan Chemical Company property. As you may be aware, Stepan Chemical Company was notified by the United States Environmental Protection Agency in a letter dated April 29, 1987 that they are a potentially responsible party for the cleanup of the Maywood Chemical and Vicinity Sites under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund). This letter initiates specific time frames in which a remedial investigation and feasibility study of the site will be conducted. The study will investigate the chemical pollution at the Maywood interim storage site and evaluate methods to remove or contain hazardous substances at the location.

I hope this letter answers some of your questions. Action is being taken at the Maywood Chemical Site. If you have further questions, please feel free to contact the geologist assigned to the site, David Mooney of the Bureau of Ground Water Quality Management at (609) 292-0424.

Sincerely,



Arnold Schiffman, Administrator  
Water Quality Management

QM166

:: Metro Enforcement, DWR  
Bur. Safe Dr. Water

BASF/INMONT

This information on BASF/Inmont was provided by Steve Mayberry of the Industrial Site Evaluation Element in July 1989. BASF/Inmont, in Lodi, is located approximately one mile south of the W. Magnolia wells. The facility is undergoing an Environmental Cleanup Responsibility Act (ECRA) investigation by the Industrial Site Evaluation Element. Plant operations at Inmont began in 1935. In 1982, the ground water was found to be contaminated with toluene and lactol spirits. Approximately 40 recovery and monitor wells were installed on site. The installation of additional monitor wells on site is being proposed by ECRA to further delineate the plume. There are many possible on-site sources of the contamination which have been identified by ECRA. These include several tank farms, underground fuel and diesel tanks, and a gasoline tank.

LODI MUNICIPAL WELLS

USEPA is conducting another Superfund Investigation of the Lodi Municipal Wells which were discovered to be contaminated in 1981. No relationship is suspected between the Lodi and Maywood wells as of July 1989 (Project Manager: Ron Rusin).

STEPAN/MAYWOOD

Stepan Chemical Company (formerly known as Maywood Chemical Company) and surrounding areas are currently under a Superfund investigation by USEPA. Although no investigation of the Maywood Private Wells Contamination is planned at this time by USEPA, they will conduct further investigations of the W. Magnolia wells if contaminants similar to those found in the private wells are found at the Superfund sites (Project Manager: Pat Evangelista)

## V. Conclusions

None of the above investigations by the MBRE or the other agencies has revealed any definite sources of the W. Magnolia well contamination at this time. All of the facilities appear to be downgradient in ground water flow direction from the affected private wells. No upgradient sources have been identified.

REPORT ON THE WEST MAGNOLIA AVENUE  
MAYWOOD PRIVATE WELL CONTAMINATION  
JULY, 1989



FYI

File

A REPORT ON THE WEST MAGNOLIA AVENUE  
MAYWOOD PRIVATE WELL CONTAMINATION

JULY, 1989

I. Introduction

This report summarizes the progress of the Maywood Private Wells Contamination Investigation since its beginning in 1987. The content of this report is based on information of the Division of Water Resources (DWR)/ Metro Bureau of Regional Enforcement (MBRE) and has been prepared by the Ground Water/Safe Drinking Water Enforcement Section staff for the file.

II. Background

On March 30, 1987, the MBRE office in West Orange received a call from a Maywood resident who stated that her private potable well and others on West Magnolia Avenue ("W. Magnolia wells") and at the municipal pool were found to be contaminated. The resident wanted to find out who was responsible for the contamination.

Upon investigation into the situation, MBRE learned that the Division of Hazardous Site Mitigation had sampled certain of these wells in an attempt to collect control samples upgradient in ground water flow direction from Stepan Chemical Company and the Superfund Maywood Chemical Investigation. Contaminants found at the W. Magnolia wells included ethylbenzene, chloroform, tetrachloroethylene, trichloroethylene, and trans-1,2- dichloroethylene. The

NOV 2 5 1987

Let's protect our earth



State of New Jersey  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
CN 029  
TRENTON, NEW JERSEY 08625

J. McCANN, P.E.  
DIRECTOR

DIRK C. HOFMAN, P.E.  
DEPUTY DIRECTOR

October 30, 1987

Honorable Paul J. Contillo  
Senator, 38th District  
90 Main Street  
Hackensack, New Jersey 07601

Dear Senator Contillo:

Your letter addressed to Commissioner Dewling relative to the Maywood Borough (Borough), Bergen County contamination, has been referred to me for response.

Tetrachloroethylene (PCE) was the most predominant contaminant detected in non-public wells throughout the Borough. We have no knowledge as to how long the people in the Borough have been exposed to this contamination. Initial sampling highlighting the contamination was done during the period April 1986 to March 1987. This sampling was done by the United States Environmental Protection Agency (USEPA) to help determine the nature and extent of contamination at nearby superfund sites. Considering the geology and the groundwater flow, these wells were not expected to be impacted by the contamination at the superfund site because of their upstream location. Since the contamination found at the wells is unlikely to be coming from the superfund site for the above geologic reasons, the investigation as to the source of the contamination was referred to the Division of Water Resource's (Division) Metro Region Enforcement Office, which is currently working on this case.

Although previously characterized as a probable human carcinogen (USEPA 1986), PCE is currently undergoing reevaluation and as a result may be reclassified as a possible human carcinogen (USEPA 1987). Assuming consumption of 2 liters of water per day by a 70Kg adult over a 70 year lifetime, the National Academy of Science originally figured that a concentration of 3.5 ppb consumed over a person's lifetime would increase the risk of one excess cancer case for every million people exposed. In view of the potential change in classification to a possible human carcinogen, the allowable concentration to produce this one excess cancer would have to be much higher. New Jersey's conservative approach to regulating this chemical in drinking water will result

in a proposed maximum contaminant level of 1 ppb in the near future to protect the public against any effects of this chemical, assuming a 70-year exposure.

As you can see from the above information, considerable scientific controversy surrounds the possible health effects from ingesting quantities of PCE. However, in our letters sent to the residents in February and May 1987, homeowners were advised not to use their water for drinking and to seek alternate sources of water or treatment within a year in order to reduce their exposure to the contaminants present.

We respect and appreciate your interest in this issue. Should you need more information concerning this matter, you may contact Barker Hamill, Chief of the Bureau of Safe Drinking Water within the Division, who can be reached at (609) 292-5550.

Very truly yours,

*George G. McCann*  
George G. McCann, P.E.  
Director

c: Deputy Commissioner Michael F. Catania  
Assistant Commissioner Donald A. Deieso  
Assistant Commissioner Donald T. Graham

2  
S. L. L. L.  
11/11/87



STATE OF NEW JERSEY  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 CHRISTOPHER J. DAGGETT, COMMISSIONER  
 CN 402  
 TRENTON, N.J. 08625  
 609-292-2885

April 27, 1989

Honorable Paul J. Contillo  
 Senator, 38th District  
 90 Main Street  
 Hackensack, New Jersey 07601

Dear Senator <sup>Paul</sup> Contillo:

This is in response to your letter dated March 23, 1989 requesting an update on the private well contamination situation in Maywood.

In late March 1987, the local health department ordered several private wells located on West Magnolia Avenue closed due to contamination of the water with volatile organic chemicals, particularly tetrachloroethylene (PCE). Shortly thereafter, all affected homes were provided with connection to the public community water supply of the Hackensack Water Company alleviating any immediate threat to public health. The New Jersey Department of Environmental Protection's (NJDEP) Environmental Claims Administration has partially reimbursed all homeowners who filed a claim for the costs incurred in connecting to the public community water supply.

During 1987, NJDEP's Division of Water Resources' (DWR) Metro Bureau of Regional Enforcement (MBRE) conducted an industrial survey of the area to locate possible sources of this contamination. One facility identified during this survey, Farm Road Realities - APC, Inc. located at 207 West Central Avenue in Maywood, is currently conducting a ground water investigation. The purpose of this investigation is to determine the possible impact on the ground water from four abandoned underground storage tanks which contained organic chemicals other than PCE. Monitor wells have been installed at this site and samples collected. DWR is awaiting the results of that sampling. At least two other facilities in the area have been found to utilize PCE, however, no evidence of spills or discharges to the ground water have been identified at these sites.

Other sites currently under investigation in the area include Srepan (Maywood) Chemical Company and Lodi Municipal Well Contamination which are both United States Environmental Protection Agency (USEPA) Superfund investigations and Inmont

in Lodi which is the subject of an Environmental Cleanup Responsibility Act (ECRA) investigation supervised by NJDEP's Division of Hazardous Waste Management. All of these sites are believed, however, to be downgradient in the ground water flow direction from the West Magnolia Avenue wells.

In summary and most importantly, all affected residents now have a safe drinking water supply and therefore can rest assured that they are no longer exposed to any threat to public health from this ground water contamination incidence. If you require any further information, please contact Jorge H. Berkowitz, Ph.D., Acting Director of the Division of Water Resources at (609) 292-1637.

Sincerely,



Christopher J. Daggett  
Commissioner

c: Michael F. Catania, Deputy Commissioner  
Arthur Kondrup, Assistant Commissioner  
Donald A. Deieso, Assistant Commissioner  
Karen Alexander, Deputy Assistant Commissioner  
James K. Hamilton, Assistant Director  
Peter T. Lynch, Chief

23 Toxic Chemical and Radioactive Materials

Comment:

Magnolia Ave. Groundwater Contamination

Duvier Pl. In Maywood is not listed in any of the State "Known Contaminated Sights" lists. The adjacent street, Magnolia Ave. is listed in the most recent copies. The issue on Magnolia Ave. is isolated occurrences of groundwater contamination, and the source has not been identified. In a 12/22/97 phone conversation with Mr. Rocky Richards, Assistant Director of NJDEP Bureau of Site Management, I discussed the possible effects that the Magnolia Ave. Site could have on the proposed project. Mr. Richards is of the opinion that "low level contamination" of ground water on Magnolia Ave. Will have no effect at all on the planned Senior Center due to the fact that construction will be slab-on-grade, and that water for the facility will be supplied by United Water Company. Unless a well were to be located on the site or in the near vicinity, to supply drinking water for the Senior Center, there is no reason to believe that contamination from Magnolia Ave. will be an issue.

Stepan Chemical Company

I have referred to three studies conducted by the U.S. Department of Energy, and conferred with an environmental professional at the Bergen County Department of Health Services regarding this issue. There appears to be little concern of radio active contamination from the Stepan Chemical site. Duvier Place is more than 1/2 mile up-stream of Stepan Chemical and contamination from that site was for the most part in the opposite direction. Extensive testing was undertaken by the D.O.E. on the two adjacent streets and no evidence of radio active contamination was discovered. (\* \*)

\* ) THIS FROM CD'S ENVIRONMENTAL REVIEW.

✓ LAST FRIDAY APRIL 3<sup>RD</sup> 1998 - MR. RICHARDS  
INFORMED ME (MICHAEL J. NOLAN) THAT  
THE SUBSTANCE OF HIS COMMENTS WITH CD  
MOUNTED TO: "IF YOU WERE TO USE  
WELL WATER FOR THE PROPOSED PROJECT,  
YOU MIGHT HAVE A PROBLEM."

\* ) SEE JOHN TAMBURRO CANCER CLUSTER  
STUDY 8/96, UPDATED 10/90 COPY ENCLOSED.

✓ The figures following show the amount of alpha, beta and gamma radiation residents of West Central Avenue and Ecclestone Place were exposed to since 1950 (when most of these homes were built). The radiation lines were drawn from the document, "An Aerial Radiologic Survey of the Stepan Chemical Company and surrounding area. Maywood, New Jersey. Date of survey: 26 January 1981". This survey was performed by the Energy Measurements Group (EE&G) for the United States Nuclear Regulatory Commission in response to an accident on Rt. 17, involving radioactive material. The radiation detected is from thorium and other radioactive materials buried in the soil on Stepan property and surrounding properties. It is not from the accident. This radioactive material was present in the area since the 1900's, when the Maywood Thorium Works, later becoming Maywood Chemical Company, processed the radioactive materials to make gas lanterns.

✓ → The figure also shows the flood zone in that area. The ground water contains many carcinogenic chemicals - among them, benzene, trichloroethane, ethyl acetate, 1,2 - dichloroethane, chloroform and tetrachloroethylene. There are other 'unknown' chemicals present, as well as dangerous levels of heavy metals. This information was obtained from well testing done on lower West Magnolia Avenue, on Stepan Chemical property and soil testing done on John Tamburro's property. The flood zone and ground water encompass the above mentioned properties and all the homes represented in the cancer cluster study. The water testing and soil testing were performed by the NJDEP. It is not known how long these chemicals existed. All of this information can be found in the Maywood Borough files under their "NRC" files - their term.

In figures 1, 2 and 3, the red squares represent homes where residents developed cancer, and they all fall within the higher radiation lines and within the area of the contaminated ground water. The following facts were taken into consideration:

1. None of these cancers were related to cigarette smoking.
2. All involved residents who lived in the area at least 10 years.
3. The residents afflicted were exposed to higher doses of gamma, alpha, and beta radiation between 1950 and 1980, than the amounts of radiation being detected in the NRC study, because thorium and it's related radioactive elements constantly decay (half-life). The radiation was higher in the 1950s, than it is now. However, the radiation is greater than the amount of radiation detected in the NRC study, because the MISS site was not present at the time of the study. The material in the MISS came from properties in Lodi, Rochelle Park and Maywood and did not involve any soil from the Stepan/DOE properties. The radiation emitted from the MISS ranges from 5000 counts per minute to 4,300,333 counts per minute. The DOE guide is 11,000 counts per

minute. Counts per minute measure gamma radiation. So, the MISS radiation is in addition to the radiation detected in the NRC study. The more radioactive materials added to the MISS, the higher the radiation emitted from the site will be.

4. Some homes had several owners and those residents living there more than 15 years have had incidences of cancer in their families.
5. The afflicted residents had safe jobs (with respects to exposure to carcinogens) and many were house wives who stayed at home.
7. Pets also died from cancer (my dog was one of the victims - bone cancer).
8. I obtained cancer statistics from death certificates between 1978 and 1983 and the amount of cancer drops off as you move away from the afflicted site. Also obtained cancer information from the residents on West Central Ave. and Ecclestone Place, directly, since I knew most of them all my life. The statistics also show other "hot spots" such as the south end of Maywood Avenue, near Essex Street and the side streets on the south end of town.
9. The natural isotope, thorium-232, has a half-life of 100,000,000,000 years, which means it takes that many years for it to lose 1/2 of its radiation. It is the source of radon gas, which is also very toxic and highly radioactive, and has a very fast half-life. The natural isotope, thorium-234, has a half-life of 24.1 days, also breaking down quickly. Thorium also produces other "daughters" such as radium-228, thorium-228, radium-224, polonium-216 (the element in cigarette tobacco beleived to cause lung caner) and others. All these radioactive elements are present in the afflicted area and all have different ages, so at any one time, different amounts of radiation, some deadly, are being emitted. Just because thorium-232 has a long half-life, does not mean it is safe. Any particle of it could be 100,000,000,000 years old and break down. Also, processed radioactive materials break down much quicker. When any radioactive material breaks down it emits radiation in the form of alpha, beta, and gamma particles. The radioactive survey shows that high amounts of radiation are in the area (January 1981).
10. As the amount of thorium and other radioactive materials is increased, more radioactive particles are emitted. This is why I am opposed to the MISS site. They put it in an area where residents already had a lot of exposure to radiation and carcinogenic chemicals. Now they are being exposed to that much more radiation from the MISS.
11. Thorium and its disintegration products can cause internal irradiation due to penetration of gas and aerosols by way of the respiratory system, the digestive system and through the skin. Carcinogenic chemicals can have detrimental effects on the body via ingestion, direct contact with contaminated water and inhalation of the organic volitiles (Benzene, tetrachloroethylene, etc...) trapped in basements or emanating from ground water under homes.



12. The study of the West Central Avenue area and its control group, was done as follows:

a). Read through all death certificates of Maywood residents between 1978 and 1983. It was found that out of 485 residents, 120 died from cancer, or had cancer as a secondary, or tertiary disease when they died. Their names and addresses are listed in the report. 365 did not have any form of cancer when they died. 24.7% of these Maywood residents, excluding those on W. Central Ave. and Ecclestone Place, developed cancer. This is very close to the cancer risk for all of Bergen County, 24.4%, which shows my statistics to be quite accurate.

b). On West Central Avenue and Ecclestone Place, west of Ramapo Ave., south of W. Magnolia Ave., east of the PSF&G substation and north of the Susquehanna Railroad, there are 27 residences. Out of these 27, 11 were not included in this study because information could not be gathered on these homes. Out of the remaining 16 homes, the following was taken into consideration:

1). A total of 36 residents lived in these homes for at least a 15 year span and they were between the ages of 20 and 40 when first moving in. (Children were not considered since they were all born at different times and are now relatively young, with longterm radiation effects not yet showing up, or just starting to. For example, my two sisters lived there from 1950 to 1970 and I from 1956 to present. Recently, all three of us began developing tumors and cysts, which could lead to cancer in the future. I also developed polycythemia vera, too many red blood cells, and still have this disorder, as well as a chemical imbalance causing depression).

People exposed to carcinogenic chemicals, and low-level radiation, in their younger years, do not develop adverse health affects until their later years, depending on the strength of the carcinogen, or radiation. Take note of the age span of the people that contracted cancer, when they were exposed, and the age span when they contracted cancer. (Numbers 1 and 3 on this page).

2). Other radiologically induced diseases, such as anemia, were not included. Neither were birth defects due to lack of that information.

3). Out of the 36 homeowners, 17 developed cancer while living in the area. 11 died and 6 are in remission or cured. (The control group included secondary and tertiary cancers for this reason). All were in their late 50's or early 60's when the cancer was detected and the ones that died were in the same age span, well below the average age of death.

4). Nine of the afflicted were housewives with non-hazardous, or no, occupations. The men did not have cancer exposure from their occupations.

5). All were healthy people until the cancer developed.

6). All developed cancers which can be caused by internal or external irradiation through the air, ingestion of home-grown fruits and vegetables and water (flooded basements and puddling of ground water outside). These cancers also can be caused by the carcinogenic chemicals in the ground water.

7). It is known that the railroad embankment, bordering the homes on the south side of West Central Avenue, is highly radioactive. This is shown in the radiological studies performed on my home, (see page 9), and other radiological studies performed around Stepan and the MISS site (in the Maywood Borough files under "NRC").

8). In the two skin cancer cases, both men, my father and my neighbor, worked outdoors in their back yards for long periods of time, but were not exposed to a lot of sun since the back yards are heavily shaded by large trees.

9). The levels of radiation emitted from the thorium on Stepan property and the surrounding area, were higher between 1950 and 1980, than it was when the radiological survey was performed in 1981. However, the MISS site, added after the NRC study, increases the amount of radiation coming from that area.

10). Out of the 36 residents, 47% developed cancer. This is much higher than the 24.7% rate for the rest of Maywood.

13. I should also note that the State Health Department also did a cancer study on Lodi, Saddle Brook, Maywood and Rochelle park. They did it on cancer incidences. HOWEVER, RECORDING OF CANCER INCIDENCES DID NOT START UNTIL AFTER MOST OF THE RESIDENTS IN THE WEST CENTRAL AVENUE AREA CONTRACTED, OR DIED, FROM CANCER. ALSO, THEY COMPARED ALL OF LODI, MAYWOOD, SADDLEBROOK AND ROCHELLE PARK TO THE REST OF BERGEN COUNTY. THEY DID NOT GO DOOR TO DOOR, AS I DID, DID NOT ASK ANYONE IN SOUTHWESTERN MAYWOOD ABOUT CANCER, OR OTHER RADIOLOGICALLY INDUCED DISEASES AND DID NOT COMPARE THE WEST CENTRAL/ECCLESTONE PLACE CANCER INCIDENCES TO THE REST OF MAYWOOD. FOR THIS REASON, THEIR STUDY DOES NOT PROVE MY STUDY TO BE INACCURATE. IT IS LIKE COMPARING APPLES TO ORANGES. THE STATE HEALTH DEPARTMENT DID NOT SURVEY SOUTHWESTERN MAYWOOD AND DID NOT COMPARE THIS AREA TO THE REST OF MAYWOOD. THEY COMPARED MAYWOOD/SADDLE BROOK/ROCHELLE PARK/LODI TO THE REST OF BERGEN COUNTY. IF YOU SEE MY STATISTICS, I FOUND AN OVERALL CANCER INCIDENCE OF 24.7% FOR ALL OF MAYWOOD (EXCLUDING SOUTHWESTERN MAYWOOD), WHICH IS VERY CLOSE TO THE STATE HEALTH DEPARTMENT'S FIGURE OF 24.4% FOR ALL OF BERGEN COUNTY.

SOUTHEAST MAYWOOD

|                       |                 |            |    |
|-----------------------|-----------------|------------|----|
| 1.) John Donlan       | 59 Beech        | Breast     | 59 |
| 2.) Ralph Grain       | 66 Beech        | Colon      | 68 |
| 3.) Loiboi            | 177 Clinton     | Metastasis | 69 |
| 4.) Jack Walsh        | 165 Clinton     |            |    |
| 5.) Dorthea Laslo     | 7 Demarest      | Breast     | 62 |
| 6.) Bennie Lesker     | 43 Demarest     | Lymphoma   | 87 |
| 7.) Pasquale Mela     | 11 Demarest     |            | 63 |
| 8.) Louise Sullivan   | 48 Demarest     | Lung       | 65 |
| 9.) Anne Scranella    | 55 Essex        | Duodenal   | 60 |
| 10.) Kafafian Zarouhy | 21 Essex Ct.    | Brain      | 84 |
| 11.) Rose Speigel     | 122 Hammel      | Metastasis | 83 |
| 12.) Frank Ramsey     | 10 Hammel       |            | 76 |
| 13.) Dorothy Mousin   | 59 Hammel       | Breast     | 67 |
| 14.) William Fischer  | 18 Hampton Ct.  | Metastasis | 75 |
| 15.) Albert Santella  | 54 Howcroft     | Lung       | 60 |
| 16.) Orin Vogt        | 24 Marlboro Ct. | Liver      | 65 |
| 17.) Dunham           | 40 Marlboro Ct. | Prostate   | 93 |
| 18.) Harold Miller    | 2 Marlboro Ct.  | Bladder    | 82 |
| 19.) Vincenza Vivona  | 360 Orchard     | Rectal     | 76 |
| 20.) Walter Krausse   | 71 Orchard      | Metastasis | 72 |
| 21.) Robert Lynch     | 18 Orchard      | Leukemia   | 29 |
| 22.) Kenneth Hertz    | 134 Orchard     | Lung       | .  |
| 23.) Arthur Poehler   | 86 Orchard      | Pancreas   | 76 |
| 24.) Mary Carl        | 44 Orchard      | Uterine    | 94 |
| 24.) Frances Baker    | 178 Van Cleve   | Lung       | 64 |

NORTHERN MAYWOOD AVENUE

|                      |             |       |    |
|----------------------|-------------|-------|----|
| 26.) Jennie Porrino  | 847 Maywood | Liver | 86 |
| 27.) Michael Messina | 728 Maywood | Lung  | 59 |
| 28.) Lillian Bazard  | 777 Maywood | Colon | 91 |
| 29.) Nunnaro         | 728 Maywood | Colon | 84 |
| 30.) Clara Smith     | 792 Maywood | Lung  | 78 |

NORTHWEST MAYWOOD

|      |                      |     |               |            |    |
|------|----------------------|-----|---------------|------------|----|
| 31.) | Romania              | 680 | Edel          | Metastasis | 63 |
| 32.) | Ed Guenther          | 619 | Edel          | Pancreas   | 99 |
| 33.) | Helen Eckel          | 858 | Edel          | Bladder    | 67 |
| 34.) | Ruth Owens           | 742 | Edel          | Lung       | 67 |
| 35.) | Richard Barther      | 649 | Edel          |            | 49 |
| 36.) | M. Tagliahue         | 734 | Edel          |            | 56 |
| 37.) | Edna Trainor         | 598 | Elm           | Ovarian    | .  |
| 38.) | William Prykberg     | 3   | Elizabeth Ct. |            | 31 |
| 39.) | Joseph Jabolonski    | 159 | Fairmount     | Bladder    | 72 |
| 40.) | Mary Caruso          | 661 | Grant         | Breast     | 62 |
| 41.) | Silvano Marini       | 458 | Hill          | Lung       | 40 |
| 42.) | Dorothy McWalters    | 494 | Hill          | Breast     | 61 |
| 43.) | Bergman              | 854 | Lincoln       | Lung       | 54 |
| 44.) | George Boos          | 742 | Lincoln       | Brain      | 55 |
| 45.) | Caroline Troeger     | 523 | Lincoln       | Breast     | 89 |
| 46.) | Albert Blum          | 465 | Oak           | Lung       | 63 |
| 47.) | C. Queller           | 459 | Oak           | Pancreas   | 74 |
| 48.) | Ernest Mock          | 650 | Oak           |            | 73 |
| 49.) | Grace Ross           | 837 | Oak           | Breast     | 59 |
| 50.) | Jennifer Criscone    | 816 | Oak           | Breast     | 78 |
| 51.) | Ingeborg Wells       | 605 | Oak           |            | 56 |
| 52.) | M. Zulling           | 475 | Oak           | Colon      | 81 |
| 53.) | .                    | 462 | Oak           |            | .  |
| 54.) | Thomal O'Neil        | 614 | Palmer        | Kidney     | 60 |
| 55.) | Dorothea Thomas      | 823 | Palmer        | Pancreas   | 66 |
| 56.) | Dora Guido           | 819 | Palmer        | Brain      | 54 |
| 57.) | Carolyn Gleason      | 209 | Parkway       | Leukemia   | 74 |
| 58.) | Florence Heridge     | 100 | Parkway       | Pharynx    | 60 |
| 59.) | Arthur Merker        | 111 | Parkway       |            | 55 |
| 60.) |                      | 73  | Park          |            |    |
| 61.) | Margaret Baresi      | 429 | Poplar        | Brain      | 57 |
| 62.) | Olga Bronsky         | 160 | Prospect      | Ovarian    | 62 |
| 63.) | Nunzio Ciriello      | 206 | Stone         | Colon      | 64 |
| 64.) | John Paglinco        | 214 | Stone         | Brain      | 73 |
| 65.) | Helen McGrath        | 95  | W. Passaic    | Liver      | 83 |
| 66.) | Fred Heini           | 65  | W. Pleasant   | Prostate   | 72 |
| 67.) | Anthony Scianimanico | 632 | Wyoming       | Prostate   | 78 |
| 68.) | Sarah Vitty          | 656 | Wyoming       | Pancreas   | 73 |

NORTHEAST MAYWOOD

|                        |                      |          |    |
|------------------------|----------------------|----------|----|
| 93.) LeRoz             | 315 Byron            | Liver    | 68 |
| 94.) M. King           | 74 E. Fairmount      | Breast   | 48 |
| 95.) John Schiller     | 141 E. Fairmount     | Lung     | 72 |
| 96.) Beatrice Signa    | 150 E. Passaic       | Mycoma   | 72 |
| 97.) Nina Pregler      | 122 E. Pleasant      | Lymph    | 63 |
| 98.) Joseph Corio      | 150 E. Pleasant      | Prostate | 73 |
| 99.) H. Madden         | 100 E. Pleasant      | Breast   | 78 |
| 100.) Henry Schmidt    | 51 E. Pleasant       |          | 73 |
| 101.) Clemente D'Amico | 103 E. Pleasant      | Liver    | 85 |
| 102.) Braun            | 48 E. Pleasant       | Lymph    | 85 |
| 103.) Harry Robert     | 163 E. Spring Valley | Leukemia | 84 |
| 104.) L. Dequintal     | 661 Jersey           | Colon    | 70 |
| 105.) Sara Strenkert   | 137 Lafayette        |          | 83 |
| 106.) Oscar Garder     | 64 Lafayette         | Bladder  | 75 |
| 107.) Robert Rudy      | 170 Stelling         | Prostate | 76 |
| 108.) William Weber    | 106 Stelling         | Lung     | 84 |
| 109.) Elizabeth Dicks  | 89 Stelling          | Lung     | 67 |

WESTERN MAYWOOD

|                           |                |          |    |
|---------------------------|----------------|----------|----|
| 110.) Edward Neilly       | 173 Brookdale  | Lung     | 71 |
| 111.) Josephine Lacchia   | 200 Brookdale  |          | 84 |
| 112.) Robert Hall         | 143 Lennox     | Bladder  | 83 |
| 113.) Alma Tys            | 144 Thoma      |          | 84 |
| 114.) Bertha Palmara      | 39 W. Central  | Breast   | 46 |
| 115.) Frank Lichtenberger | 71 W. Magnolia | Prostate | 75 |
| 116.) Paul O'Connell      | 24 W. Magnolia | Lung     | 49 |
| 117.) Josephine Bruno     | 46 Woodland    | Colon    | 54 |

MAYWOOD

|                        |           |          |    |
|------------------------|-----------|----------|----|
| 118.) Angelina Palumbo | 849 Adele | Cervix   | 56 |
| 119.) Pasquale Mela    |           | Pancreas | 66 |
| 120.) Frank Burns      |           | Lung     | 74 |

WEST CENTRAL AVENUE AND ECCLESTONE PLACE.

|      |                   |  |                       |
|------|-------------------|--|-----------------------|
| 1).  | Clara Bertie      | 283 Ecclestone Place                   | Stomach               |
| 2).  | Mr. Baird         | 280 ? Ecclestone Place                 | Throat                |
| 3).  | Mrs. Garranbone   | 290 Ecclestone Place                   | Bladder               |
| 4).  | Mrs. Hansen       | 270 Ecclestone Place                   | Stomach               |
| 5).  | Mrs. Krausse      | 287 Ecclestone Place                   | Brain                 |
| 6).  | Harold Dunn       | 146 W. Central Avenue                  | Bladder               |
| 7).  | Mr. Artega        | 146 W. Central Avenue (previous owner) | Total meta-<br>stasis |
| 8).  | Florence Tamburro | 142 W. Central Avenue                  | Ovaria, Liver         |
| 9).  | John Tamburro     | 142 W. Central Avenue                  | Skin                  |
| 10). | Mildred Kocher    | 136 W. Central Avenue                  | Colon                 |
| 11). | Ralph Kocher      | 136 W. Central Avenue                  | Skin                  |
| 12). | Mrs. Feltz        | 122 W. Central Avenue                  | Breast                |
| 13). | Mrs. Capaldo      | 137 W. Central Avenue (previous owner) | Breast                |
| 14). | Mrs. Busch        | 137 W. Central Avenue (previous owner) | Breast                |
| 15). | Mr. Bonnet        | 133 W. Central Avenue                  | Intestinal            |
| 16). | Mrs. G. Berman    | 130 W. Central Avenue                  | Breast                |
| 17). | Mr. G. Bertie     | 110 W. Central Avenue                  | Brain                 |

EXPLANATION OF FIGURES 1 and 2

These numbers represent the amount of radiation people living in areas B,

|   | Microrentgens per hour. | Millirems per year |
|---|-------------------------|--------------------|
| B | 7.5 - 11                | 65.7 - 96.4        |
| C | 11.0 - 17.0             | 96.4 - 148.9       |
| D | 17.0 - 25.0             | 148.9 - 219.0      |
| E | 25.0 - 40.0             | 219.0 - 350.4      |
| F | 40.0 - 70.0             | 350.4 - 613.2      |

C, D, E, and F were being exposed to in 1981. Numbers would be progressively higher dating back to 1950 when these residents first moved in, since thorium constantly decays. The numbers would also be progressively higher now than in 1981 because the MISS site was constructed in 1984 and this radiological study was performed in 1981. These numbers exclude any background radiation - it is

all due only to the thorium and other radionuclides from thorium processing. These numbers do not take into consideration if persons in these areas had X-rays. It is estimated that the average person in the U.S. is exposed to about 150 millirems of radiation from X-rays, background radiation, etc... If these factors were included, the numbers would appear as follows:

|   | Millirems per year. |
|---|---------------------|
| B | 215.7 - 246.4       |
| C | 246.4 - 298.9       |
| D | 298.9 - 369.0       |
| E | 369.0 - 500.4       |
| F | 500.4 - 763.2       |

The limit set by the NRC, now defunct, of radiation that any one person should be exposed to during any year is 170 millirems per year!

As you can see, residents living near Stepan were exposed to far greater amounts of radiation because of the thorium, and other radioactive elements.

These residents are also being exposed to carcinogenic chemicals present in the ground water. This is the same ground water where well contamination, in Maywood, occurred.

The residents are being exposed to chemicals in the following ways:

1). Most of the basements in the area get water when the water table rises. Many have sump pumps, and the holes in which the pumps are placed contain the contaminated ground water. The chemicals evaporate and are trapped in the basement. Some have simple drain holes through which chemical evaporation into the basement occurs.

2). When water table rises high enough, it creates small ponds in yards, which contain the chemicals, and floods some basements if the rain is heavy.

The same residents are still being exposed to high levels of radiation and carcinogenic chemicals.

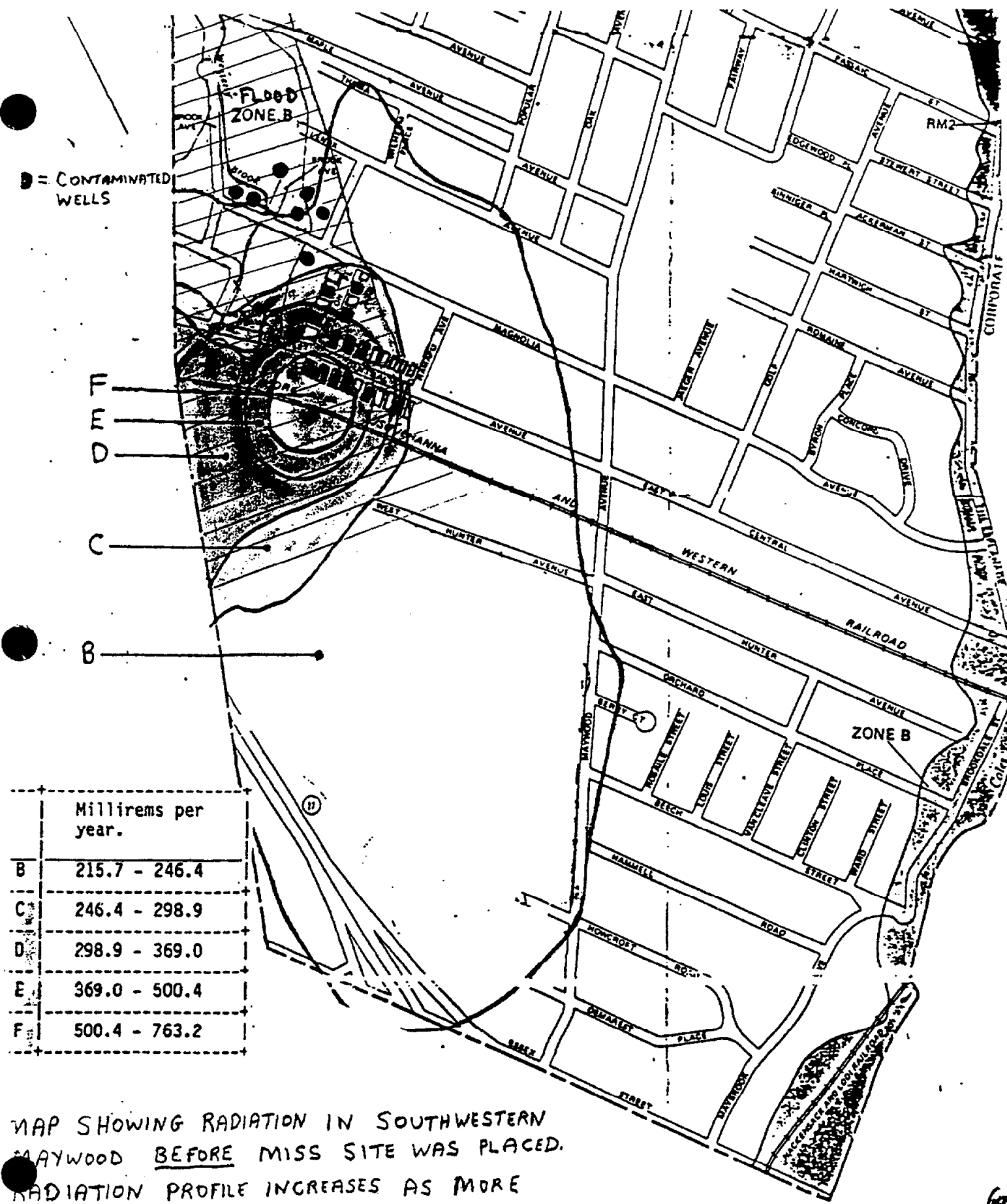
It is only logical that the cancer rate in this area is double the average.

The letters in the chart above correspond to the letters in figures 1 and

2 which follow. Figure 2 is a blow-up of figure 1. Figure 3 shows the location of the various contaminated areas, contaminated wells, ground water and the location of residences on West Central Avenue, Ecclestone place and Magnolia Lane where contaminated wells are. Magnolia Lane is an extension of West Magnolia Avenue. ←

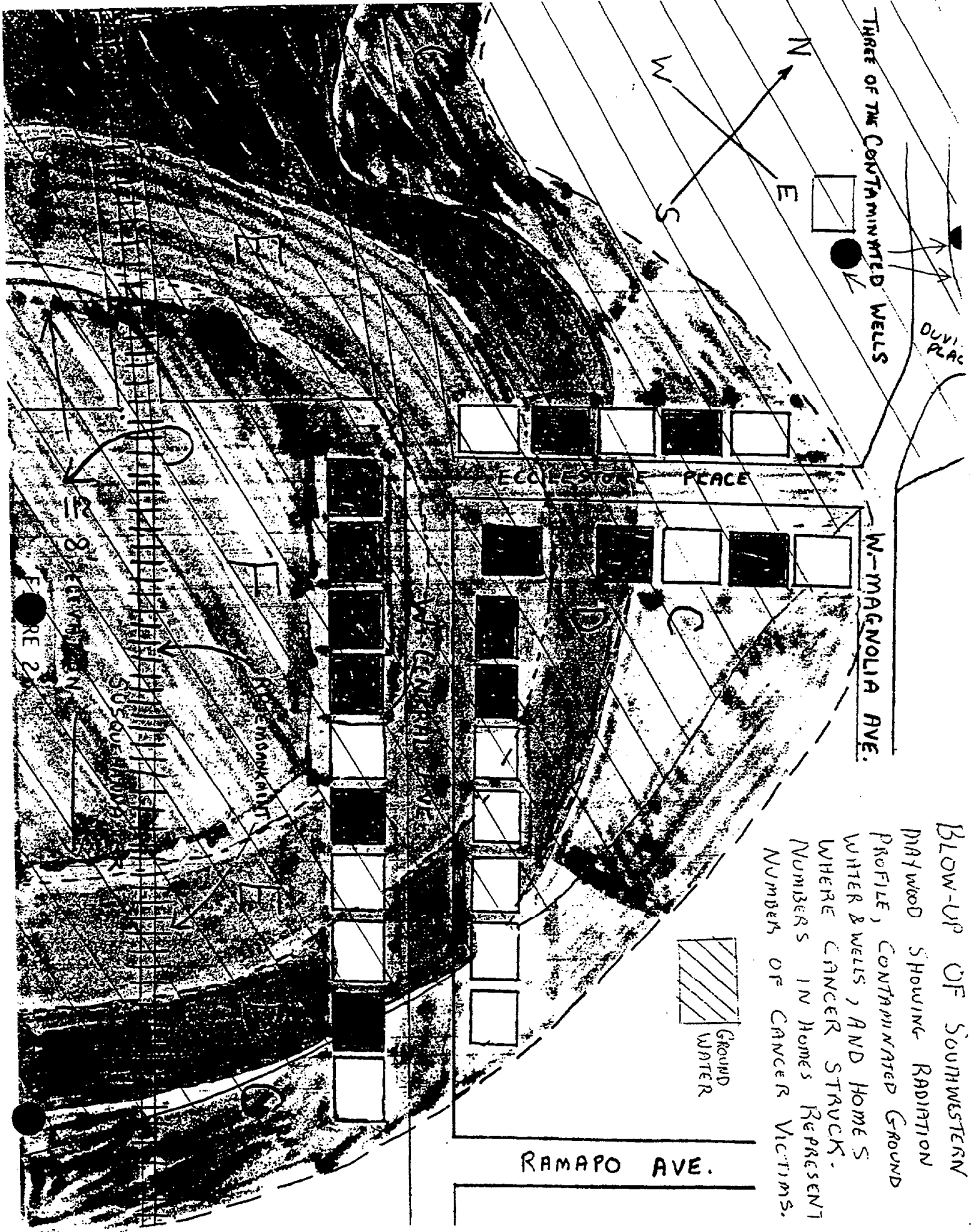






MAP SHOWING RADIATION IN SOUTHWESTERN MAYWOOD BEFORE MISS SITE WAS PLACED. RADIATION PROFILE INCREASES AS MORE RADIOACTIVE MATERIAL IS ADDED TO MISS. ALSO SHOWS CONTAMINATED (CHEMICAL) GROUND WATER.

FIGURE 1



THREE OF THE CONTAMINATED WELLS

DUMPING PLACE

BLOW-UP OF SOUTHWESTERN  
 PLAYWOOD SHOWING RADIATION  
 PROFILE, CONTAMINATED GROUND  
 WATER & WELLS, AND HOMES  
 WHERE CANCER STRUCK.  
 NUMBERS IN HOMES REPRESENT  
 NUMBERS OF CANCER VICTIMS.

GROUND  
 WATER

RAMAPO AVE.

W-MAGNOLIA AVE.

W-CENTRAL AVE.

ECCLES STONE PLACE

ROSE MOUNTAIN

SUBSTANTIAL

ELECTRIC MEN

FIGURE 23

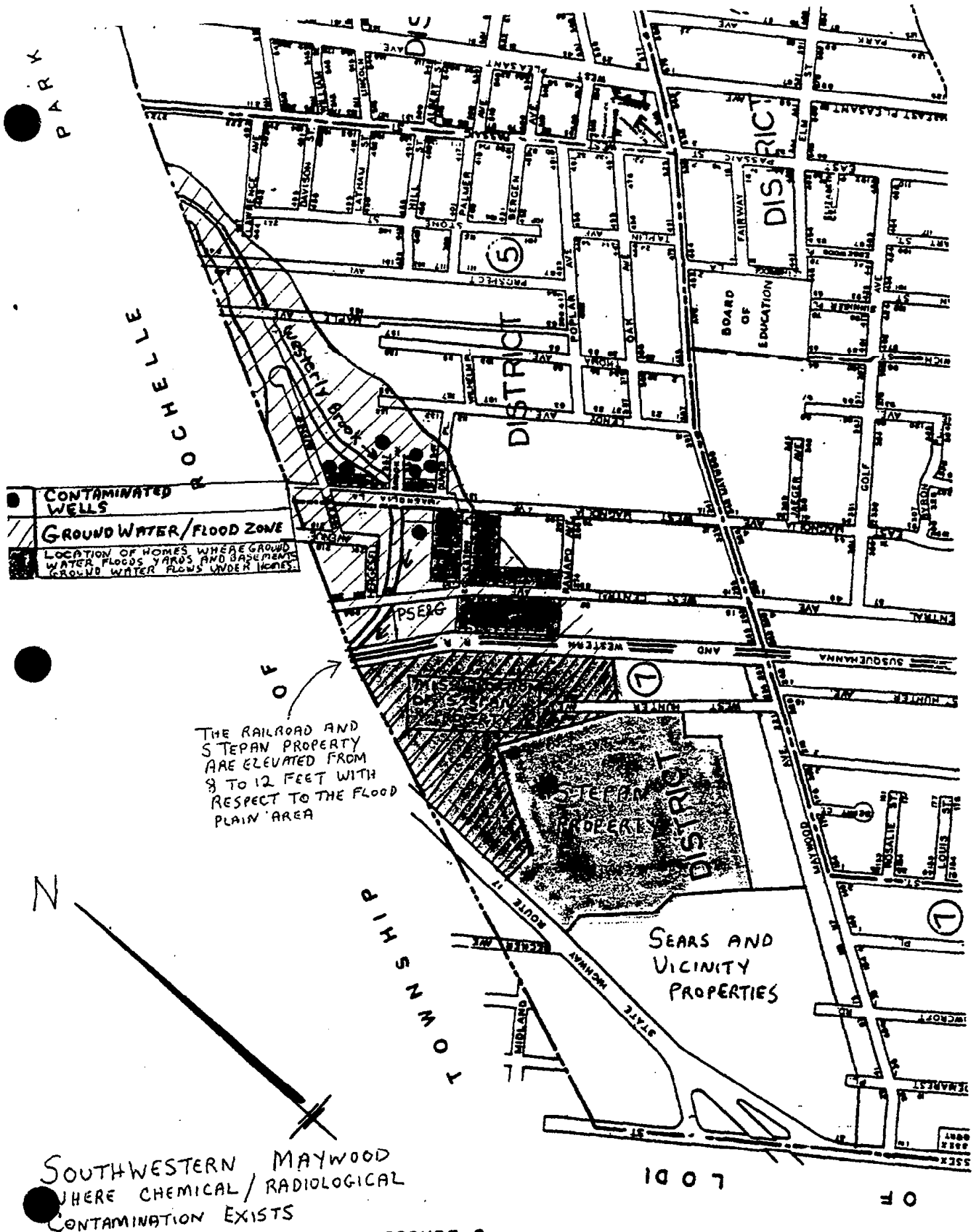


FIGURE 3

JOHN TAMBURRO  
142 WEST CENTRAL AVENUE  
MAYWOOD, NEW JERSEY 07607

✓ Mr. Jay Davis, of Eberline Analytical Corporation, came to my house in December of 1985 to do gamma readings (radiation measurement). The outside readings exceeded the federal guide.

a). The federal guide to determine the maximum radiation any one person can be exposed to in one year, takes into consideration other sources of radiation, such as chest x-rays, dental x-rays, and natural radiation.

b). Anyone stepping out of my house gets exposed to radiation exceeding the federal guide. This is too hazardous.

✓ I live in a valley, as opposed to Stepan and the MISS. The grading between my property and the MISS is the railroad embankment. In my section of West Central Avenue, the embankment rises about 8 feet. Half way up the embankment, the gamma readings climbed to almost 3 X the federal guide.

✓ Also, the readings done by Mr. Davis indicated that the radiation levels were higher ABOVE my property (in-line with Stepan and the MISS), than at ground level (below Stepan and the MISS).

✓ Also, as Mr. Davis moved closer to the pile with his monitor 8 feet above ground, the gamma readings increased.

✓ My soil was tested for radionuclides by the state, and negligible amounts were found. This shows that the excess radiation is coming from the railroad embankment, the MISS, and Stepan property. The following is the result of the gamma testing:

|                                   | Microrentgens per hour. | Millirems per year |
|-----------------------------------|-------------------------|--------------------|
| OUTSIDE 8' ABOVE GROUND           | 26                      | 227.8              |
| OUTSIDE GROUND LEVEL              | 20                      | 175.2              |
| OUTSIDE HALF-WAY UP RR EMBANKMENT | 28                      | 508.1              |
| INSIDE                            | 18                      | 157.7              |
| FEDERAL GUIDE                     | 19.4                    | 170.0              |
| MAYWOOD BACKGROUND                | 8.0                     | 70.1               |

✓ NOTE: This testing was preliminary, and more tests were supposed to have been taken, but never were.

JOHN TAMBURRO  
142 WEST CENTRAL AVENUE  
MAYWOOD, N.J. 07607

My property was tested for chemical contamination in November 1985. This testing was soil-gas testing, to see if the soil was contaminated with carcinogenic chemicals. The ground water was NOT tested, only the soil.

Benzene, Stepan's most-used chemical today, and Ethyl Acetate were TENTATIVELY identified. Large amounts of several "UNKNOWNNS" were found also.

Their results:

"Two compounds TENTATIVELY identified: Benzene and Ethyl Acetate. Since organics were only found in low levels in the soil..." (this does not include the UNKNOWNNS found) "...it is unlikely" (But not positively) "that any human exposure is taking place." Note is says low levels IN THE SOIL. No one knows what is in the groundwater under my property - (about 2' under the yard and about 1' under my house, judging by the level of water in my sump pump tank).

# Memo

**To:** Mike Nolan, Concerned Citizens of Maywood  
**From:** Michelle Medina, RWMA  
**Date:** February 19, 1997  
**Re:** Chemical contaminants detected at the Maywood Chemical site

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## Introduction

The purpose of this memo is to compare the available data on chemical contamination to applicable standards and criteria. To do this we investigated the 1996 Baseline Environmental Management Report and the Stepan Remedial Investigation. In addition, an Internet search was performed to locate data and information regarding the Maywood Chemical Company site. On-line databases for the EPA, DOE and the HazDat Database at ATSDR were utilized. Several documents were retrieved including site contaminant lists for the Maywood site (EPA ID#NJD980529762) as well as the Lodi Municipal Wellfield (EPA ID#NJD980769301). A list of Internet addresses where the documents were located is included in the reference list. The chemical contaminant levels detected in groundwater and reported in the Site Contaminant List were compared to drinking water standards and groundwater protection standards devised by the EPA.

## Chemical Contaminants Detected in Groundwater at the Maywood and Lodi Sites

The "Site Contaminant List" for Maywood included 110 contaminant records for 63 different contaminants detected at the Maywood site<sup>1</sup>. In groundwater, 17 contaminants were detected, 154 contaminants in the soil were reported on the list<sup>2</sup>.

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Site Contaminant List at ATSDR HazDat Database

<sup>1</sup> *Ibid.*

Chemical contaminant levels reported for groundwater on the Maywood and Lodi Site Contaminant Lists were compared to federal and state drinking water standards even though groundwater in these areas is no longer used for potable purposes. Eight volatile organic compounds (Table 1) detected in groundwater wells in the Lodi Wellfield site exceeded drinking water standards set by the EPA and/or the State of New Jersey. Note that carbon tetrachloride, tetrachloroethylene and trichloroethylene levels are far above regulatory standards. Groundwater samples collected in monitoring wells in Maywood in 1985 were compared to New Jersey State standards for drinking water, and the NJDEPE Groundwater Cleanup Criteria.<sup>3,4</sup> Eight volatile organic compounds (VOCs), benzene, carbon tetrachloride, chlorobenzene, trans-1,2-Dichloroethene, methylene chloride, tetrachloroethylene, trichloroethylene and vinyl chloride, were detected at the Maywood site at levels which greatly exceed NJDEPE-Groundwater Quality Standards (Table 2a).<sup>5</sup> Six inorganic contaminants, arsenic, cadmium, chromium, lead, mercury and zinc, were reported on the site contaminant list at levels exceeding NJDEPE Groundwater Cleanup Criteria (Table 2b).<sup>6</sup>

In the 1996 Baseline Environmental Management Report for the Maywood site, the DOE reported that the most frequently detected metals in soils at levels above background were arsenic, barium, chromium, copper, lead, lithium and selenium. Five metals, arsenic, cadmium, chromium, lead and mercury, were reported on the site contaminant list at levels which exceeded the NJDEPE-Residential Direct Contact Soil Cleanup Criteria (Table 3b). Two VOCs detected in soils, benzene and xylene, exceeded NJDEPE standards (Table 3a). Benzene exceeded both the NJDEPE Residential Direct Contact Soil Cleanup Criteria and the Impact to Groundwater Soil Cleanup Criteria.<sup>7</sup> Xylene levels in soils exceeded the NJDEPE Impact to Groundwater Soil Cleanup Criteria.<sup>8</sup>

<sup>3</sup> NJ State Primary Drinking Water Standards as of January 1994-NJDEP: N.J.A.C. 7:10-1

<sup>4</sup> New Jersey Groundwater Cleanup Criteria for Class II-A Groundwater. *New Jersey Register*. February 1, 1993

<sup>5</sup> *Ibid.*

<sup>6</sup> *Ibid.*

<sup>7</sup> NJDEPE Residential Direct Contact Soil Cleanup Criteria and Impact to Groundwater Soil Cleanup Criteria. *New Jersey Register*. February 2, 1992, as revised March 8, 1993

<sup>8</sup> NJDEPE Impact to Groundwater Soil Cleanup Criteria. *New Jersey Register*. February 2, 1992, as revised March 8, 1993



## Types of Chemical Contaminants detected at the Maywood Site

Five chemical contaminants, Aldrin, Dieldrin, DDD, DDE and DDT, which were detected in subsurface soil samples appear on the EPA- Toxic Pollutants List.<sup>9</sup> Five chemical contaminants present on the Site Contaminant List for the Maywood site, Aldrin, Cresol-G, Hexachlorocyclohexane-γ, Phenol, and Pyrene, appear on the EPA-Extremely Hazardous Substances List.<sup>10</sup> Four more contaminants which appear on the EPA-Extremely Hazardous Substances List, carbon disulfide, chloroform, bromomethane and nitrobenzene, were detected and reported in the Remedial Investigation Report<sup>11</sup>. Table 4 lists the chemical contaminants detected at Maywood which appear on the Community Right-to-Know List which was developed by the EPA as required by the Superfund Amendments and Reauthorization Act of 1986 (SARA) which requires manufacturing facilities to notify local authorities of the presence of listed chemicals<sup>12,13</sup>. Chemical contaminants which appear in the EPA-Genetic Toxicology Program are listed in Table 5. These chemicals have genetic effects reported in the literature during the period 1969-1979<sup>14</sup>. Chemicals detected and reported which are confirmed carcinogens are listed in Table 6, those which are poisons via skin contact, ingestion or inhalation are listed in Table 7. The most common health effects associated with the various contaminants detected at the Maywood site include: gastrointestinal effects, nausea and/or vomiting, convulsions, and conjunctiva irritation.<sup>15</sup>

Even though the groundwater in the vicinity of the Maywood site is no longer used for drinking purposes, according to the EPA, the groundwater in this area should not be used for watering lawns, washing cars, etc. The EPA addressed this concern in their Superfund site summary for Maywood in which the EPA states that "drinking or otherwise coming into contact with contaminated groundwater, inhaling contaminated dusts, or ingesting contaminated soils may adversely affect the health of nearby residents".<sup>16</sup> Chemical contaminants detected at Maywood which are poisons via skin contact, ingestion or inhalation are listed in Table 7.

## Conclusion

<sup>9</sup> 40 CFR §129.4

<sup>10</sup> Lewis, Richard J., Sr. Hazardous chemicals desk reference 3<sup>rd</sup> Ed., Van Nostrand Reinhold, New York 1742 pp.

<sup>11</sup> Final Remedial Investigation Report for Stepan Company Property & Sears and Adjacent Properties- prepared by CH2M Hill - 1994

<sup>12</sup> Superfund Amendments and Reauthorization Act Title III, Sections 311-312

<sup>13</sup> Lewis, Richard J., Sr. Hazardous chemicals desk reference 3<sup>rd</sup> Ed., Van Nostrand Reinhold, New York 1742 pp.

<sup>14</sup> *Ibid.*

<sup>15</sup> *Ibid.*

<sup>16</sup> EPA National Priority List Summary for Maywood Chemical Company & Lodi Municipal Wetfield

The wells have been closed in the Borough of Lodi for drinking purposes due to radionuclide contamination<sup>17</sup>. According to the EPA, groundwater at Maywood and Lodi should not be used for any purpose in which humans (and/or pets) will come into contact with the various contaminants present such as lawn watering and washing cars. Since contaminants are well above regulatory limits, in our opinion the groundwater should be cleaned up. However, since other pollution sources are possible, Stepan Company may not be wholly responsible for all of the chemical contaminants detected. Further, measurements of the chemical contaminants reported here were taken at different locations and different times. A map was not available to identify all locations. One cannot state categorically that remediation of radioactive contamination at specific locations will also reduce the chemical contamination. Generally, each chemical compound will move within groundwater at different speeds.

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<sup>17</sup> Public Meeting for the Lodi Municipal Well Superfund Site-Transcript of Proceedings July 20, 1993 Lodi, NJ

**Table 2**

A. Volatile organic compounds detected in groundwater monitoring wells in the Maywood vicinity during 1985 which exceed New Jersey Maximum Contaminant Levels and NJDEPE -Groundwater Cleanup Criteria.<sup>20,21</sup>

| <b>VOCs</b>                          | <b>NJ-MCL</b> | <b>NJDEPE<br/>Groundwater<br/>Cleanup Criteria</b> | <b>Level<br/>Detected</b> |
|--------------------------------------|---------------|--|---------------------------|
| <b>Benzene</b>                       | 1 ppb         |  | 1240 ppb                  |
| <b>Carbon Tetrachloride</b>          |               | 0.4 ppb  | 49.0 ppb                  |
| <b>Chlorobenzene</b>                 |               | 4 ppb  | 200 ppb                   |
| <b>trans-1,2-<br/>Dichloroethene</b> |               | 100 ppb  | 2964 ppb                  |
| <b>Methylene Chloride</b>            | 2 ppb         | 2 ppb  | 1087 ppb                  |
| <b>Tetrachloroethylene</b>           | 1 ppb         | 0.4 ppb  | 170 ppb                   |
| <b>Trichloroethylene</b>             | 1 ppb         | 1 ppb  | 66 ppb                    |
| <b>Vinyl Chloride</b>                | 2 ppb         | 0.08 ppb   | 220 ppb                   |

20 NJ State Primary Drinking Water Standards as of January 1994-NJDEP: N.J.A.C. 7:10-1

21 New Jersey Groundwater Cleanup Criteria for Class II-A Groundwater. *New Jersey Register*. February 1, 1993

**Table 1**

Volatile Organic Compounds (VOCs) detected in public groundwater wells in 1981 at the Lodi Wellfield (EPA ID#NJD980769301) site which exceed EPA-National Drinking Water Standards and/or New Jersey State Drinking Water Standards for Maximum Contaminant Levels (MCL).<sup>18,19</sup>

| VOCs                     | EPA-MCL | NJ-MCL  | NJDEPE-<br>Ground Water<br>Cleanup<br>Criteria | Level<br>Detected |
|--------------------------|---------|---------|--|-------------------|
| Carbon Tetrachloride     | 5 ppb   | 2 ppb   | 0.4 ppb  | 49.0 ppb          |
| Chlorobenzene            | 100 ppb |         | 4 ppb  | 200.0 ppb         |
| 1,2-Dichloroethane       | 5 ppb   | 2 ppb   |  | 3.34 ppb          |
| trans-1,2-Dichloroethene | 100 ppb |         | 100 ppb  | 220 ppb           |
| Methylene Chloride       |         | 2 ppb   | 2 ppb  | 4.7 ppb           |
| Tetrachloroethylene      | 5 ppb   | 1 ppb   | 0.4 ppb  | 324.0 ppb         |
| Trichloroethylene        |         | 1 ppb   | 1 ppb  | 324.0 ppb         |
| Trihalomethanes          |         | 100 ppb |  | 115.8 ppb         |

<sup>18</sup> 40 CFR §141.61

<sup>19</sup> NJ State Primary Drinking Water Standards as of January 1994-NJDEP: N.J.A.C. 7:10-1

**Table 2**

B. Inorganic contaminants detected in Maywood monitoring wells in 1985 which exceed Federal Primary Drinking Water Standards, and/or NJDEPE- Groundwater Quality Criteria.<sup>22,23</sup>

| <b>Inorganic Contaminants</b> | <b>Federal Standard</b> | <b>NJDEPE- Groundwater Quality Criteria</b> | <b>Level Detected</b> |
|-------------------------------|-------------------------|---|-----------------------|
| <b>Arsenic</b>                | 50 ppb                  | 0.02 ppb                                    | 381 ppb               |
| <b>Cadmium</b>                | 5 ppb                   | 4 ppb                                       | 47.1 ppb              |
| <b>Chromium</b>               | 100 ppb                 | 100 ppb                                     | 372 ppb               |
| <b>Lead</b>                   |                         | 5 ppb                                       | 325 ppb               |
| <b>Mercury</b>                | 2 ppb                   | 2 ppb                                       | 229 ppb               |
| <b>Zinc</b>                   |                         | 5000  | 12900 ppb             |

<sup>22</sup> 40 CFR §141.142,143

<sup>23</sup> New Jersey Groundwater Cleanup Criteria for Class II-A Groundwater, *New Jersey Register*, February 1, 1993

Table 3

A. VOC contaminants detected in soils at Maywood site which exceed NJDEPE Residential Direct Contact Soil Cleanup Soil Cleanup Criteria and/or NJDEPE Impact to Groundwater Soil Cleanup Criteria.<sup>24</sup>

| VOC                    | NJDEPE-Resident.<br>Direct Contact Soil<br>Cleanup Criteria | NJDEPE-Impact to<br>Groundwater Soil<br>Cleanup Criteria | Level Detected |
|------------------------|---|--|----------------|
| <b>Benzene</b>         | 3,000 ppb   | 1,000 ppb  | 81,000 ppb     |
| <b>Xylenes (Total)</b> | 410,000 ppb   | 10,000 ppb   | 120,000 ppb    |

B. Inorganic chemical contaminants detected in soils at Maywood which exceed NJDEPE-Residential Direct Contact Soil Cleanup Criteria.<sup>25</sup>

| Metal           | NJDEPE-Residential Direct<br>Contact Soil Cleanup Criteria | Level Detected |
|-----------------|--|----------------|
| <b>Arsenic</b>  | 20 ppm   | 51-90.1 ppm    |
| <b>Cadmium</b>  | 1 ppm  | 20 ppm         |
| <b>Chromium</b> | 500 ppm  | 3920 ppm       |
| <b>Lead</b>     | 100 ppm  | 5420 ppm       |
| <b>Mercury</b>  | 14 ppm   | 93 ppm         |

<sup>24</sup> NJDEPE Residential Direct Contact Soil Cleanup Criteria and Impact to Groundwater Soil Cleanup Criteria. *New Jersey Register*. February 2, 1992, as revised March 8, 1993

<sup>25</sup> NJDEPE Residential Direct Contact Soil Cleanup Criteria. *New Jersey Register*. February 2, 1992, as revised March 8, 1993

**Table 4**

**A. Chemical contaminants from Site Contaminant List for Maywood which appear on the EPA-Community Right to Know List.<sup>26</sup>**

|                      |                           |                         |                 |
|----------------------|---------------------------|-------------------------|-----------------|
| Aldrin               | Cadmium *                 | Ethyl Benzene           | Selenium        |
| Anthracene           | Chromium *                | Hexachlorocyclohexane-γ | Toluene *       |
| Arsenic *            | Cresol-O                  | Mercury *               | Vinyl Chloride* |
| Benzene *            | Cresol-p                  | Methylene Chloride      | Xylene *        |
| Beryllium            | Dibutylphthalate          | Napthalene              |                 |
| Bromodichloromethane | 1,2-Dichloroethylene      | Nickel                  |                 |
| 2-Butanone           | Di(2-ethylhexyl)phthalate | Phenol                  |                 |

\* Contaminant level at Maywood exceeds a NJ Regulatory Standard

**B. Chemical contaminants detected at Maywood Site as reported in *Final Remedial Investigation Report* in addition to those reported on the Site Contaminant List which appear on the EPA-Community Right to Know List.<sup>27</sup>**

|                            |                        |                           |
|----------------------------|------------------------|---------------------------|
| Antimony                   | Cobalt                 | Pentachlorophenol         |
| Barium                     | 1,3-Dichlorobenzene    | Silver                    |
| Benzylbutylphthalate       | 3,3'-Dichlorobenzidine | Styrene                   |
| Bis(2-ethylhexyl)phthalate | 1,1-Dichloroethene     | 1,1,1,2-Tetrachloroethane |
| Bromoform                  | 1,2-Dichloropropane    | Tetrachloroethene         |
| Bromomethane               | 1,2-Diphenylhydrazine  | Thallium                  |
| Carbon Disulfide           | Manganese              | 1,1,1-Trichloroethane     |
| 4-Chloro-3-methylphenol    | Nitrobenzene           | 1,1,2-Trichloroethane     |
| Chloroethane               | 4-Nitrophenol          | Trichloroethene           |
| Chloroform                 | n-Nitrosodiphenylamine |                           |

**Table 5**

<sup>26</sup> Lewis, Richard J., Sr. Hazardous chemicals desk reference 3<sup>rd</sup> Ed., Van Nostrand Reinhold, New York 1742 pp.

<sup>27</sup> *Final Remedial Investigation Report for Stepan Company Property & Sears and Adjacent Properties*- prepared by CH2M Hill - 1994

A. List of contaminants from Site Contaminant List for Maywood which appear in the EPA-Genetic Toxicology Program.<sup>28</sup>

|                      |                                 |                      |
|----------------------|---------------------------------|----------------------|
| Benzene *            | DDE                             | Methylene Chloride * |
| Benzo(b)fluoranthene | DDT                             | Napthalene           |
| Benzoic Acid         | 1,2-Dichloroethane *            | Phenanthracene       |
| Bromodichloromethane | Dibenz(a,h)anthracene           | Phenol               |
| 2-Butanone           | Dibutylphthalate                | Pyrene               |
| Cadmium *            | Di(2-ethyl)phthalate            | Toluene              |
| Chrysene             | Ethyl Benzene                   | Vinyl Chloride *     |
| Cresol-o             | Fluoranthene                    | Xylene *             |
| Cresol-p             | Hexachlorocyclohexane- $\alpha$ | Zinc *               |
| DDD                  | Hexachlorocyclohexane- $\gamma$ |                      |

\* Contaminant level at Maywood exceeds a NJ Regulatory Standard

B. Chemical contaminants detected at Maywood Site as reported in *Final Remedial Investigation Report* in addition to those reported on the Site Contaminant List which appear in the EPA-Genetic Toxicology Program.<sup>29</sup>

|                            |                           |                           |
|----------------------------|---------------------------|---------------------------|
| Bis(2-ethylhexyl)phthalate | cis-1,2-Dichloropropene   | Styrene                   |
| Carbon Disulfide           | trans-1,2-Dichloropropene | Tetrachloroethane         |
| Chloroform                 | Heptachlor Epoxide        | 1,1,2,2-Tetrachloroethene |
| 3,3'-Dichlorobenzidine     | 4-Nitrophenol             | 1,1,1-Trichloroethane     |
| 1,1-Dichloroethene         | n-Nitrosodiphenylamine    | Trichloroethene           |
| 1,2-Dichloropropane        | Pentachlorophenol         |                           |

<sup>28</sup> Lewis, Richard J., Sr. Hazardous chemicals desk reference 3<sup>rd</sup> Ed., Van Nostrand Reinhold, New York 1742 pp

<sup>29</sup> *Final Remedial Investigation Report* for Stepan Company Property & Sears and Adjacent Properties- prepared by CH2M Hill - 1994



**Table 6**

A. Chemical contaminants listed on Site Contaminant List for Maywood which are confirmed carcinogens<sup>30</sup>

|                        |                                 |                                 |
|------------------------|---------------------------------|---------------------------------|
| Arsenic *              | Chromium *                      | Hexachlorocyclohexane- $\gamma$ |
| Benzene *              | Chrysene                        | Indeno(1,2,3-CD)pyrene          |
| Benzo(a)anthracene     | DDD                             | Methylene Chloride *            |
| Benzo(b)fluoranthene   | DDT                             | Nickel                          |
| Benzo(a)pyrene         | Dibenz(a,h)anthracene           | Tetrachloroethylene *           |
| Beryllium              | Di(2-Ethylhexyl)phthalate       | Vinyl Chloride *                |
| Cadmium *              | 1,2-Dichloroethane *            |                                 |
| Carbon Tetrachloride * | Hexachlorocyclohexane- $\alpha$ |                                 |

\* Contaminant level at Maywood exceeds a NJ Regulatory Standard

B. Chemical contaminants detected at Maywood Site as reported in Final Remedial Investigation Report in addition to those reported on the Site Contaminant List which are confirmed carcinogens.<sup>31</sup>

|                            |                         |                   |
|----------------------------|-------------------------|-------------------|
| Benzo(k)fluoranthene       | 1,4-Dichlorobenzene     | Lindane           |
| Bis(2-ethylhexyl)phthalate | 3,3'-Dichlorobenzidine  | Tetrachloroethene |
| Chloroform                 | cis-1,3-Dichloropropene |                   |
| Cobalt                     | 1,2-Diphenylhydrazine   |                   |

<sup>30</sup> Lewis, Richard J., Sr. Hazardous chemicals desk reference 3<sup>rd</sup> Ed., Van Nostrand Reinhold, New York 1742 pp

<sup>31</sup> Final Remedial Investigation Report for Stepan Company Property & Sears and Adjacent Properties- prepared by CH2M Hill - 1994

**Table 7**

Chemical contaminants detected at Maywood which are Poisons via Skin Contact,  
Ingestion or Inhalation<sup>32</sup>.

| <u>Skin Contact</u>               | <u>Ingestion</u>                  | <u>Inhalation</u>    |
|-----------------------------------|-----------------------------------|----------------------|
| Aldrin                            | Aldrin                            | Benzene *            |
| Benzene *                         | Carbon Tetrachloride *            | Cadmium *            |
| Cresol-p                          | Chromium *                        | Cresol-o             |
| DDT                               | Cresol-o                          | 1,2-Dichloroethylene |
| Dieldrin                          | Cresol-p                          | Mercury *            |
| Hexachlorocyclohexane- $\gamma$ , | DDD                               | Pyrene               |
| Napthalene                        | DDE                               | Selenium             |
|                                   | DDT                               |                      |
|                                   | Dieldrin                          |                      |
|                                   | 1,2-Dichloroethane *              |                      |
|                                   | Hexachlorocyclohexane- $\alpha$ , |                      |
|                                   | Napthalene                        |                      |
|                                   | Nickel                            |                      |
|                                   | Phenol                            |                      |

\* Contaminant level at Maywood exceeds a NJ Regulatory Standard

<sup>32</sup> Lewis, Richard J., Sr. Hazardous chemicals desk reference 3<sup>rd</sup> Ed., Van Nostrand Reinhold, New York 1742 pp

## References

EPA National Priority List Summary for Maywood Chemical Company & Lodi Municipal Wellfield at:

<http://www.epa.gov/superfund/cerr/imprm/products/nplsites/html/0200665n.htm> <= for Maywood

...../0200825n.htm <=for Lodi

DOE-1996 Baseline Environmental Management Report-Maywood Site Summary at :

<http://www.em.doe.gov/bemr96/macw.html>

*Final Remedial Investigation Report* for Stepan Company Property & Sears and Adjacent Properties-  
prepared by CH2M Hill -1994

✓ FUSRAP- 10 year Plan-Maywood Interim Storage Site summary at:

<http://www.em.doe.gov/tenyear/omar3n.html>

FUSRAP-Maywood Site at: <http://em40prod.applem.doe.gov/MAP/Maywood>

Lewis, Richard J., Sr. Hazardous chemicals desk reference 3<sup>rd</sup> Ed., Van Nostrand Reinhold, New York  
1742 pp

New Jersey Groundwater Cleanup Criteria for Class II-A Groundwater. *New Jersey Register*, February 1,  
1993

NJDEPE Residential Direct Contact Soil Cleanup Criteria and Impact to Groundwater Soil Cleanup Criteria.  
*New Jersey Register*, February 2, 1992, as revised March 8, 1993

NJ State Primary Drinking Water Standards as of January 1994-NJDEP: N.J.A.C. 7:10-1

Site Contaminant List for Maywood & Lodi: in HazDat Database at: <http://atsdr1.atsdr.cdc.gov:8080>

then enter Sensitive Map- Site Activity Query

Superfund Amendments and Reauthorization Act Title III, Sections 311-312

40 Code of Federal Regulations § 129.4,141.61,142.143, 264.94



U.S. Department of Housing and Urban Development  
New Jersey State Office  
One Newark Center  
Newark, NJ 07102-5260

APR 30 1998

Mr. Michael J. Nolan  
69 Lenox Avenue  
Maywood, New Jersey 07607

Dear Mr. Nolan:

SUBJECT: Citizen Complaint  
Bergen County Community Development Block Grant (CDBG) Program  
Borough of Maywood  
Maywood Senior Citizen Recreation Center (new construction)

This acknowledges the receipt of your fax messages that were transmitted on March 31 and April 21, 1998. In your correspondence you raise questions regarding the release of CDBG funds as requested by the County of Bergen for the above-captioned activity.

We received the County's Request for Release of Funds and Certification on March 31, 1998. The permissible bases for objections to a Request for Release of Funds and Certification are set forth at 24 CFR 58.75 (see enclosure). HUD is limited in dealing with complaints based on 24 CFR 58.75. Since your complaint does not deal with points in 24 CFR 58.75, we have no grounds for not releasing CDBG funds for the construction of the Maywood Senior Recreation Citizen Center.

If you have any questions pertaining to this letter, please contact Mrs. Marcene Anderson of my staff at (973) 622-7900 or e-mail her at [Marcene\\_Anderson@hud.gov](mailto:Marcene_Anderson@hud.gov).

Sincerely,

A handwritten signature in cursive script, appearing to read "Kathleen Naymola".

Kathleen Naymola  
Director  
Community Planning and Development  
Division

Enclosure

cc: Mr. Joseph Rutch, Director  
Bergen County Community  
Director



U.S. Department of Housing and Urban Development  
New Jersey State Office  
One Newark Center  
Newark, NJ 07102-5260

MAY 11 1998

Mr. William P. Schuber  
County Executive, Bergen County  
Court Plaza South- Room 300E  
21 Main Street  
Hackensack, New Jersey 07601-7000

Dear Mr. Schuber:

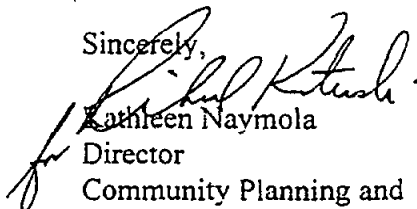
SUBJECT: Community Development Block Grant (CDBG) Program  
Complaint Regarding Construction of Maywood Senior Center  
Mr. Michael J. Nolan  
69 Lenox Avenue  
Maywood, New Jersey 07607

Enclosed is a copy of a complaint letter and various documents which we received from Mr. Michael Nolan concerning the construction of a senior center in the Borough of Maywood. The facility will utilize \$340,000 in CDBG funds.

As a participant in the CDBG Program, the County has the responsibility of answering complaints in a timely and responsive manner. Therefore, we are requesting that you prepare and forward a response to the complaint and send a copy of your reply to this office no later than May 22, 1998.

Should you have any questions concerning this matter, please contact Mrs. Marcene Anderson of my staff at (973) 622-7900 extension 3307 or e-mail her at [Marcene\\_Anderson@hud.gov](mailto:Marcene_Anderson@hud.gov).

Sincerely,

  
Kathleen Naymola  
Director  
Community Planning and  
Development Division

cc: Mr. Joseph Rutch  
Community Development Director  
Mr. Michael Nolan  
69 Lenox Avenue  
Maywood, New Jersey 07607

REC'D SIN/98



U.S. Department of Housing and Urban Development  
New Jersey State Office  
One Newark Center  
Newark, NJ 07102-5260

MAY 12 1998

Mr. Michael J. Nolan  
69 Lenox Avenue  
Maywood, New Jersey 07607

Dear Mr. Nolan:

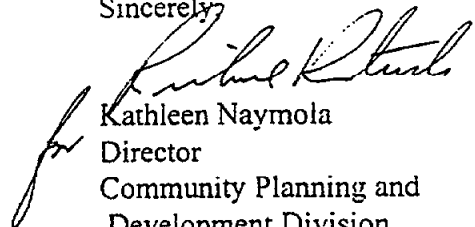
This is to acknowledge receipt of your complaint concerning Bergen County's Community Development Block Grant (CDBG) Program. Your correspondence pertains to the use of CDBG funds to finance the construction of a senior center in the Borough of Maywood.

It is our practice to have CDBG recipients respond to such concerns as are expressed in your letter. All recipients under the CDBG Program have the responsibility of answering complaints in a timely and responsive manner.

Therefore, we have requested that the County respond to you directly by May 22, 1998.

We hope that this matter will be satisfactorily resolved.

Sincerely,

  
Kathleen Naymola  
Director  
Community Planning and  
Development Division

cc: Mr. Joseph Rutch  
Community Development Director

**CONCERNED  
CITIZENS  
OF MAYWOOD**

**FOR IMMEDIATE RELEASE**

**CONCERNED CITIZENS WELCOMES YOU**

**IF YOU HAVE SOME CONCERN - TAKE THIS FLYER HOME TO READ  
AFTER THE SIDEWALK SALE.  
ENJOY THE DAY**

As you read the following paragraphs you may become a concerned citizen:

1. U.A.O. - UP AND OUT! In 1993 The Department of Energy (DOE) was fully aware of Maywood's concerns, including a 1991 referendum vote of 2447 to 231 for clean up and removal of ALL thorium soil from Maywood - excavate - UP AND OUT! Maywood spoke for itself!

In 1996 DOE formed a steering committee to select a Cooperative Guidance Group (CGG) and contracted for a public relations expert hoping to sell the (CGG) as speaking for all of Maywood. (CGG) spoke for DOE and now the U. S. Corps of Engineers.

Maywood deserves the same clean up as Lodi - UP AND OUT to a level for unrestricted residential use! And why is there no (CGG) committee at the Wayne site?

2. Did you know chemicals were found in Lodi's soil but they brought it into Maywood without testing as required by Maywood's ordinance? Have you noticed driving on Route 17 North how many piles of Lodi's untested contamination have been sitting on the Maywood storage site? And did you read this week about a hotline call to the state that a pile was uncovered and windblown? Is it not time for Lodi's contamination to go directly to the Utah disposal site?

3. Did you hear that the U. S. Corps made a report to a Congressional Committee on the Maywood site that included:

a. Retention ponds and burial pits on MISS and Stepan have not been fully characterized.

b. The site has not been adequately characterized. Mixed waste is likely in some areas of the site. Estimating mixed waste volumes and costs are difficult to quantify at this point.

c. Groundwater characterization has not been completed. A potential exists for major groundwater contamination and unforeseen site conditions which could affect the schedule.

4. Are you aware that the property intended for building a Senior Citizens Center on West Magnolia Avenue is an area listed on the N. J. Known Contaminated Sites report as a site with on site source of contamination - "Magnolia Avenue ground water contamination"? The State says this information is not intended to be either a complete survey of area sites nor is it a warranty that a particular property is fit for any purpose. "Only an extensive environmental assessment can identify the risks, if any, involved with the development and use of the property." Are occupants of buildings on land under which contaminated ground water flows in danger from chemical vapors volatilizing through the soil or during times of flooding when the water table rises and creates small ponds in back yards?

The surface and sub-surface soils have not been tested on the Senior Center Property nor has any tests for current level of groundwater contamination been determined. Are the seniors not entitled to at least an environmental impact statement? Especially in view of the Corps of Engineers Report in Paragraph 3 above.

5. Why are the West Magnolia homes, the Municipal Pool and pool parking grounds not a part of the Maywood Superfund Site activities, but all kinds of properties in Lodi are? The pool parking lot still has not been tested!

6. Have you been told that the secondary source of contamination at the MISS is the sanitary sewers that received discharges of wastes during former plant operations at the Maywood Chemical Works and the storm sewers receiving contaminated surface run off. It is not clear, however, if the contamination resulted from ongoing releases or from past disposal practices? Why are these sewers not included in any clean up plan? Instead the Mayor and Council talk about huge sums of money that Maywood Taxpayers would have to pay to repair the sewers. Should they not discuss the sewers with the Corps of Engineers?

And why did our elected Federal Officials insist that W. R. Grace should pay for the clean up in Wayne but are silent as to why they do not insist on Stepan paying for Maywood clean up?

**IF YOU HAVE ANY QUESTIONS OR COMMENTS YOU CAN CALL:**

Mike Nolan  
845-5992

Chuck Parodi  
843-6966

**Insist on UAO!**

**UP AND OUT!  
MAYWOOD DESERVES IT!**

Distributed by: Concerned Citizens - May 16, 1998





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 2  
290 BROADWAY  
NEW YORK, NY 10007-1866

138-GDA-GAM-00019

M-640

AUG 13

1 32 PM '97

AUG 14 1997

Dr. M. Reshnikoff  
Radioactive Waste Management Associates  
526 West 26th Street, Rm. 517  
New York, NY 10001

Dear Dr. Reshnikoff:

This is in response to your letter of July 2, 1997 concerning a request from the Department of Energy ("DOE") to the Environmental Protection Agency ("EPA") to delete twenty-five previously remediated residential vicinity properties from the National Priorities List ("NPL"). In December 1988, the DOE issued the Certification Docket for response actions at these properties. Certification of the radiological condition of these properties was published in the Federal Register on January 25, 1989 (54 FR 3653).

The DOE is not requesting that the Maywood Site in its entirety be deleted from the NPL but rather that a small portion of it which has already been released from the Formerly Utilized Sites Remedial Action Program ("FUSRAP") be removed from the NPL. This partial deletion request pertains only to the aforementioned twenty-five residential properties and does not include other still unremediated parts of the site such as the Maywood Interim Storage Site, the Stepan Property, the Commercial/Governmental Vicinity Properties, groundwater, or the remaining residential properties. These still unremediated properties will remain on the NPL, and response activities will continue at those properties.

On November 1, 1995, EPA published (60 FR 55466) a Notice of Policy Change "Partial Deletion of Sites Listed on the NPL." This policy change recognized that while a total site cleanup may take many years, some portions of the site may be cleaned up and deleted from the NPL (via removal or remedial action) sooner. Pursuant to this change in policy DOE made its request to EPA to delete the twenty-five remediated properties.

It is important to understand that the primary purpose of the NPL is to serve as an informational and management tool. The National Oil and Hazardous Substances Pollution Contingency Plan ("NCP") establishes the criteria that EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is necessary to protect public health or the environment. This determination is made in consultation with the State. EPA is currently evaluating DOE's request for partial deletion. Should EPA decide that these portions of the site are potentially eligible for deletion EPA will request concurrence from the State of New Jersey. There will be an opportunity for formal public comment during the required thirty-day comment period for partial site deletion.

The soil sampling data for the twenty-five remediated properties you requested is available in the Administrative Record maintained at the Maywood Public Library as well as from the DOE.

Please let me know if you have any difficulties in obtaining the data.

Sincerely,

*Angela Carpenter*

Angela Carpenter, Project Manager  
Federal Facilities Section

cc: J. Japp, DOE  
D. Gaffigan, NJDEP



Department of Energy

Oak Ridge Operations Office  
P.O. Box 2001  
Oak Ridge, Tennessee 37831— 8723

91-262  
133- LOA- GAM- 00009  
M-641

August 22, 1997

Ms. Angela Carpenter  
Project Manager, Federal Facilities Section  
U.S. Environmental Protection Agency  
Region II  
290 Broadway, 18th Floor  
New York, NY 10017-1866

Dear Ms. Carpenter:

**MAYWOOD SITE - FFA PERMIT NOTIFICATION**

Pursuant to Section 18 entitled "Permits" of the Federal Facility Agreement (FFA) between the Department of Energy (DOE) and the federal EPA, this letter is to inform you of any local, state, or federal permits that are applicable to upcoming onsite soil excavation and garage demolition and reconstruction activities at 200 Brookdale, in Maywood, New Jersey, that will not be obtained, as allowed for by Section 121(e) of CERCLA.

Negotiations with the owner of the property are in progress and it is expected that cleanup activities on this residential property will begin in the near future. These activities are expected to entail demolition and reconstruction of the property owner's garage, which is located on radiologically contaminated subsurface fill, and the removal of adjacent contaminated fill on the property. Because of property boundary constraints, demolition of the garage is necessary to fully access the subsurface contamination. The garage and contaminated fill are in the floodplain of Coles Brook, a watercourse which runs along the southeasterly edge of 200 Brookdale.

Local building code permits will be obtained for any work that is the responsibility of DOE to perform; however, no stream encroachment permit for these activities will be obtained from the New Jersey Department of Environmental Protection (NJDEP). Representatives of this agency have been apprised of the CERCLA 121(e) permitting exemption and have been consulted regarding regulatory requirements.

Applicable technical requirements of New Jersey stream encroachment regulations (NJAC 7:13) will be complied with to the extent practicable during the performance of activities required by this CERCLA removal action.

Ms. Angela Carpenter

- 2 -

August 22, 1997

Please feel free to contact me at (423) 241-6344 if there is anything further that you need.

Sincerely,

A handwritten signature in cursive script that reads "John Michael Japp".

John Michael Japp, Site Manager  
FUSRAP Group

cc:

Donna Gaffigan, NJDEP Case Manager

CONCERNED  
CITIZENS  
of MAYWOOD



FOR IMMEDIATE RELEASE

Tel: 201-845-5992  
Fax: 201-845-3771

May 3, 1998

HUD Newark Area Office  
Region II  
One Newark Center

Attention: Ms. Kathleen Naymola, Acting Director,  
CPD Division  
Dept. of Housing & Urban Development  
One Newark Center,  
Newark, New Jersey 07102

Dear Ms. Naymola:

As per our telephone conversation, we are enclosing more than sufficient information/documentation to warrant a serious examination of the actions surrounding the Maywood Senior Center Project.

We do so, despite your advice that HUD has no procedure to question the paperwork submitted by a county CD seeking HUD funds for a project. You stated HUD just accepts what is submitted? Even if evidence is furnished HUD by residents of serious discrepancies and untruths in the paperwork such as the environmental review, required ordinance and regulations, etc.

You advised that you had just sent me a letter indicating HUD had no choice but to approve the Senior Center Project?

We then reviewed for you some samples of the omissions and commissions and said we cannot believe such actions were CD and HUD approved procedure. You finally said if we wanted to send the information that you would review it.

Much of our first letter (3/30/98) to you was not addressed in Joseph Rutch, CD director's memorandum of April 15, 1998 to Gerald Bienna, Chief of Staff. In (pp.1) it looks like CD wants the Center at 237 Duvier Place and that Maywood officials want it at the intersection of West Magnolia and Duvier Place. But Duvier Place was vacated and does not exist at either location so the public notices differ.

(pp.2) We will address at the end of the memo.

(pp.3) Most of these are promoting the Project without any interest in the onsite contamination (KCS-NJDEP).

(pp.4) Mr. Rutch refuses to admit that Duvier Place Section was vacated and would become part of Magnolia Avenue address for proposed Center and Magnolia groundwater. The discovery of contamination in privately owned wells was not made on a routine check.

Ms. Naymola

(pp.4) cont.

Mr. Rutch quoted from a 12/16/1987 letter of Steven Byrnes (NJDEP) who calculated the potential carcinogenic effect as 8:1,000,000 for those ingesting and showering in water from the contaminated wells and that it is highly unlikely that any adverse carcinogenic effects would result from past exposures".

We have long heard in Maywood that the State criteris is one in a million excess cancer occurrences within an exposed population. See (EXH-A) enclosed with comments of Karl Delaney, NJDEP.

Mr. Rutch also mentioned a Barker Hamil (NJDEP) to Allen Overbrogh, Lodi Health Dept. But Mr. Hamil wrote that "Our approach is based on potential health effects that may result from lifetime exposure to water containing such contamination. The higher the levels, the greater the health risk to susceptible individuals and the greater the need to seek water of better quality."

Mr. Hamil also said, "by copy of this letter the Whitaker residence is being warned that the levels of contaminants as shown in Table A are unacceptable and that water from the well should not be used for drinking not should it be used indefinitely for cooking, bathing, or other purposes."

(pp.6) Mr. Rutch says the slab-on-grade construction decreases the risk and the review quoted Mr. R. Richards (NJDEP) as saying "that low level contamination of ground water on Magnolia Avenue will have no effect at all on the planned Senior Center due to the fact that construction will be slab-on-grade and water for the facility will be supplied by United Water Company. But on Monday of this week Mr. Joseph Mellone, Maywood Code official strongly insisted that slab-on-grade had nothing to do with ground water contamination?"

By the way, in quoting Mr. Byrnes (NJDEP) in pp.4 Mr. Rutch did not include - "the carcinogens detected in the wells were tetrachloroethylene, trichloroethylene and chloroform. Since carcinogen effects are currently considered to not have a threshold, any exposure to a carcinogen would increase the carcinogen risk."

(pp.7) Mr. Rutch, as he did in pp.3, refers to the "opinions" of his list of professionals. In my March 30, 1998 letter I quoted Mr. Thomas Harrington(NJDEP) regarding EPA saying they will conduct further investigations of the West Magnolia wells if contaminants similar to those found in private wells were found at the Maywood Chemical site. I enclosed copy of Arnold Schiffman's (NJDEP) letter of June 10, 1987 in which he confirmed the same chemicals in West Magnolia wells and well for Maywood municipal pool had also been detected in wells around the Maywood Chemical site. Yet there has been no further investigation. But Mr. Rutch does not seek the opinion of EPA? Are copies of these opinions available?

Ms. Naymola

Getting back to (pp.2) Mr. Rutch included a list of documentation that was consulted, which we have numbered 1 to 15 for following comments:

(1) Yes, Magnolia Avenue ground water is on known contaminated list as a site with an onsite source of contamination. This site has not been included in the Maywood Superfund site but most of Mr. Rutch's list deals with USDOE activities.

(3 and 6) Our March 30, 1998 letter included Dr. Marvin Resnikoff's challenging comments on the DOE EE/CA and DOE's measurements at 19 commercial sites. EE/CA deals with Lodi sites and only radiological not chemical contamination.

(9) Dr. Van Pelt's comments were mostly radiological like 85% of Sears property should be remediated.

(10) Is this not the Health Assessment done by NJDOH with ATSDR funding? By all means, read it and report to the public.

(11) "This Health consultation is based on data and information made available to ATSDR. The conclusions and recommendations are based on current levels of contamination in the surface and subsurface soils of characterized properties and surface water and sediments in Lodi Brook headwaters and Westerly Brook. If additional information is received, ATSDR scientists will evaluate it. The analyses of additional data could alter the conclusions and recommendation presented here." (From page 4 of the Health Assessment).

Should not the current levels in the soils and surface and subsurface waters be determined at the site for the proposed senior Center?

"Known contaminated sites (KCS) in New Jersey includes sites under the purview of the Site Remediation program which have contamination present at levels greater than the applicable clean up criteria for soil and/or ground water standards." Also, the KCS includes "known sites in the state where contamination of soil on ground water is confirmed."

Certainly, an environmental impact statement should be part of the Maywood Senior Center project!

(13) Did not this testing by General Testing Corp. confirm presence of contamination?

(14) Did this memo refer to a contaminant plume? If so, has the plume problem been addressed?

(15) Last, but not least, did not this cancer study alert the public to high incidence of brain cancer in women near Maywood, Lodi, Rochelle Park Superfund site?

On that last health risk note please read enclosed newsarticle, "Mayor Thwarts CCM's Attempt to Stop Senior Center." (Our Town 4/23/98) - EXH.B.

We did not attempt to stop construction of the proposed Center and as our March 30, 1998 letter stated, that an examination should be made (which we repeat here) and it could be that an environmental clean up should or must take place before construction of any project.

Please read enclosed former councilman Napoli's letter 12/21/88 to me in which he recalled my mentioning that the property was unsuited for a recycling Center because of possible chemical or radiological contaminants. He asked if I could research this to verify the aforementioned facts. That

Ms. Naymola

"This question would have to be resolved before any future discussions pertaining to this property could take place."

This is the same property now proposed for the senior Center. And we agree with Mr. Napali or he agrees with us.

Now note Mayor Murphy's statement in the news article - "Murphy replied that the necessary tests on the site had already been completed and there was no contamination of any kind." - "Its a figment of their imagination," Murphy said.

Ms. Naymola - is that not a bold faced lie? But if he tells HUD that, HUD will just accept it? Even now after you read it? This is HUD approved procedure? Something has to be changed!

With that big lie in mind I am enclosing the yes/no response sheet part of The Review marked EXH-C. I have indicated thereon where no box ( ) was checked to some important questions such as has site been used as a dump? Is there any evidence of high water table? Also where some boxes checked are untrue like, are there visual indications of filled ground? The property is filled in swamp land. Are there pools of liquid? Yes, most of the time, but it is checked no. The FEMA map (EXH-D) shows flood zone line like a house or so from project property. Is there a power generating plant nearby? It is checked no but P.S.E.&G. sub-station is one block over on West Central Avenue. So please review the sketches of that area on EXH-D.

Sketches were sent with our fax of April 27, 1998 EXH-E along with listing sheet of KCS, and a list of six other sites within 0.5 miles of Magnolia Avenue and Eccleston Place, news article, The Shopper News, January 22, 1992 - DOE concludes: MISS site safe (?) Also letter to the editor, Our Town 3/28/91 and Sept. 11, 1997, which should be of interest.

Regarding P.S.E.&G. plant, please read EXH-F Summary of meeting Maywood Sanitary Inspector, Council President Police Commissioner and Councilman, local health and govt. officials with Ms. Connell, ATSDR. The third paragraph states: "The officials at the meeting were concerned about the status of several pieces of property that are either being renovated or used by the towns for recreation. They also expressed concern over an electrical substation in the area, which they believe may be linked to breast cancer in Maywood. Finally, the officials wanted to receive a copy of the New Jersey Department of Health (NJDOH;) cancer incidence study for the area. They discussed the problems and delays surrounding the clean up of the site and citizens continuing concern over the health effects of past chemical exposure. They asked "Does the ATSDR have any information linking EMF from an electrical substation to the occurrence of breast cancer?" Also, "Has the grassy area near the baby municipal pool been characterized by the DOE?"

In the Project description VII EXH-G it states that "the proposed building is adjacent to the municipal pool parking lot. This lot can be used temporarily until the site improvements are completed." But this lot also has not been tested and like the lot for proposed Center, is filled in swampland!

Across the street on Magnolia Avenue is Zechmeister Bros. (the area is zoned limited light industrial). Enclosed is copy of Aqua Associates, Inc test results showing 88 ppb for tetrachloroethylene (EXH-H). Also copy of Bergen County BOH incident report of Mr. Zechmeister saying he smelled formaldehyde in Westerly Brook which is only a few houses down West Magnolia Ave. from the proposed Center lot (EXH-I)



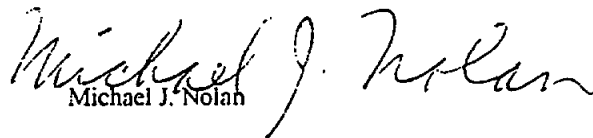
Ms. Naymola

The April 30, 1998 edition of Our Town newspaper included public notice of final adoption of ordinance #6-98 Bond ordinance for Senior Center. It was adopted April 28, 1998 and includes a twenty day period within which the validity of the ordinance can be questioned.

Something seems radically wrong when the bond ordinance is adopted 4/28/98 plus 20 day limitation but the Maywood Council has already awarded bids (Ord.63-98) April 14, 1998 and the Bergen County Executive has already signed March 25, 1998 for release of funds and certification and consenting to assuming the responsibilities for the conduct of the environmental review, decision making and actions as to environmental issues (EXH-J).

We believe we have included herein a strong case for close examination of the serious and questionable actions involved. Certainly, an environmental impact statement is a must. Certainly HUD's blind acceptance procedure no matter what, has to be questioned, as well as the omissions and commissions cited in this letter.

We look forward to your prompt attention to these concerns. We will furnish copy of our March 30th 1998 letter to those receiving copies of this letter that did not receive the 3/30/98 letter. Also Joseph Rutch memo.

  
Michael J. Nolan

cc: Andrew Cuomo, Director HUD  
Pat Schubert, County Executive  
Joseph Rutch, Director CD  
M. Guarino, Bergen County BOH  
Maywood Mayor and Council  
Maywood Planning Board  
Angela Carpenter USEPA Reg II  
D. Gaffigan, NJDEP  
The Record, Shopper News, Our Town, Herald News  
B. Wood, USCOE

**COMMENTS OF NJ DEPE  
KARL DELANEY, Director, DNJ R.P.S.A.**

33.04 (p. 40) **schedule for the ground water, available until be available? With regard to the NIS and Waste Incineration Storage Site (WISS). Volume I states that "Local political resistance has stopped plans for incineration remedial action activities at this site." Are the incineration commercial properties in New Jersey and Missouri? Are the incineration actions deemed time critical, i.e., do unacceptable health risks exist? When will other disposal alternative investigations be completed?**

33.05 (p. 46) **2. Volume I of the subject plan refers to state involvement in the decision making process for key issues as listed below. Such issues include:**

33.06 (p. 46) **a) Questions have been raised concerning regional storage of radioactive wastes as prescribed in the ROD for Programmatic Environmental Impact Statement (PEIS) to be issued in federal fiscal year 1993. The PEIS will outline or determine USDOE national strategies that impact states and include: siting of facilities, transport of waste materials, land/water/energy impacts, etc. The PEIS is designed to ensure USDOE compliance with the National Environmental Policy Act (NEPA). Once in effect it may dictate site specific changes at the state level. Clearly the issue becomes, does non-inclusion of the NUREG site into the PEIS for FUSRAP sites in New Jersey eliminate the additional or informal, commensurate basis, the question arises how will this PEIS impact New Jersey?**

33.07 (p. 15) **b) It appears that DOE views state involvement as tantamount to public involvement, i.e. without a central document in place, the state is an interested party. Lack of formal NUREG input into the ITA has resulted in limited Departmental control at FUSRAP sites. This includes schedules for on-site activity as prescribed by the ITA. Additionally, and with regard to USDOE internal budget reviews, Volume I states that the USDOE justifies budget increases in part by gauging compliance with laws, regulations and enforceable agreements with EPA and state regulators. Is USDOE funding of remediation at New Jersey FUSRAP sites of a lesser priority due to New Jersey's non-inclusion in the ITA?**

33.08 (p. 22) **c) With regard to land use planning, Volume I states that the USDOE is seeking input from interested parties, including states. The USDOE in collaboration with tribes, federal, state and local agencies is attempting to develop and implement clear cleanup and land-use objectives to achieve cost effective protection of public health and the environment. The broad category of land use planning includes such issues as use options based upon: "How clean is clean?" What level of cleanup is acceptable and for what future use? What are the health protection standards used in such determinations? NUREG uses criteria based on a maximum of one in one million (10<sup>-6</sup>) excess cancer occurrences within an**

LETTER 33

LETTER 33

33.08 **exposed population. This is a minimum standard which is applied to all remedial activities conducted within New Jersey.**

33.09 (p. 15) **4. The plan specifies that it is the intention of the USDOE to complete its environmental remedial activities by 2019; however, the Middletown Sampling Plant and the New Brunswick sites are not indicated as being included on the "NPL" and that there is currently no ITA in effect for these two sites. Although any specific clean-up agreements for these sites with the NUREG and/or the USEPA, it appears that no real site remedial activities are prepared for these sites. Is funding for USDOE sites contingent upon inclusion on the NPL?**

33.10 (p. 47) **5. The five year plan stresses problems associated with ongoing remedial activities at low level radioactive wastes but does not address stand waste already deposited under FUSRAP jurisdiction. In addition, the plan fails to identify in detail off-site disposal options for low level and mixed radioactive wastes or the potential use of expanded USDOE storage facilities that are planned or in construction.**

33.12 (p. 47) **The following comments refer specifically to Volume II of the five year Plan and the summation of activity at the NIS and WISS sites:**

33.13 (p. 47) **1. Although chemical characterization was supposedly completed at the Middletown Sampling Plant, the results of these investigations have not been provided to the NUREG for review. When will they be?**

33.14 (p. 46) **2. Volume II states that environmental monitoring activities have been instituted at the New Brunswick site. Results of these activities have not been made available to the NUREG. When will they be?**

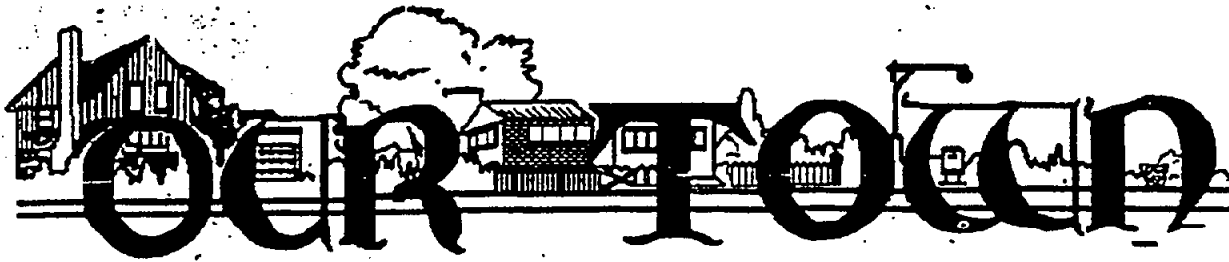
33.15 (p. 14) **3. The engineering evaluation and cost evaluations are scheduled to be completed and approved for the NUREG and New Brunswick sites in federal fiscal years 1995 and 1996 respectively. As neither of the sites are currently included in an ITA with the USEPA and/or under any other approved document with the NUREG, what assurance does the Department have that USDOE is committed to remediation these sites?**

**Another issue that NUREG would like addressed was brought to USDOE's attention in September 1992, at the FUSRAP meeting in Oak Ridge National Lab where discussions were focused on issues surrounding remedial options at FUSRAP sites. At that meeting, NUREG requested that the USDOE provide justification for the disparate pricing formula the DOE uses at its Hanford low level waste disposal facility. This facility charges approximately 20 times the cost per unit volume than that of private commercial facilities charge their customers. It seems that this pricing is unjustified and serves only to reduce the disposal options at FUSRAP sites and prolong the site remediation process.**

EXH - A

EXH-A

ONE MILLION  
A MILLION



MAYWOOD - ROCHELLE PARK, NJ

50th Year, No. 28 (2548-298)

Thursday, April 23, 1998

35 cents

## Mayor Thwarts CCM Attempt To Stop Senior Center

Mayor Tom Murphy is working this week to thwart an attempt by the Concerned Citizens of Maywood (CCM) to stop the construction of the proposed Senior Citizens Center.

The issue was raised at Tuesday night's work session of the Mayor and Council when Councilman Robert Stigliano questioned a notice received from HUD (Housing and Urban Development) that generates Community Development funds. The notice informed the borough that HUD had received a letter from Mike Nolan and the Concerned Citizens group stating the land on which the center is to be built is contaminated.

The construction would have to be delayed until the

matter was investigated, the notice said.

"The project will be held up now, because of this group?" Stigliano asked.

Murphy replied that the necessary tests on the site had already been completed and there was no contamination of any kind.

"It's a figment of their imagination," Murphy said. However, he added, HUD would have to be satisfied that the claims made by the group are untrue.

"Most officials know what they're dealing with when it comes to the Concerned Citizens," Murphy said. "They are irresponsible people who go around making baseless claims. This is a harassment action with no credence. They have zero credibility."

Murphy said that he did not understand the Concerned Citizens' actions or motives.

"They want everyone to believe that they are a community group, but they're not. They are a radical element that is determined to destroy the property values in this town. And I don't know why, because every one of them is a property owner and every day they devalue the homes that they own."

Murphy noted that he had made several phone calls to straighten out the matter. He would continue working to resolve the matter so as to avoid any delays in the project.

< LIE ?

< SEE (NAPOLI-LETTER)

(EXH.-13.)

CLERK  
PATRICIA ALLISON, RMC  
845-6655



BOROUGH OF MAYWOOD  
BERGEN COUNTY, NEW JERSEY

MAYOR  
JOHN A. STEUERT, JR.  
COUNCIL PRESIDENT  
WILLIAM B. GRUNSTRA, JR.  
COUNCIL MEMBERS  
JOSEPH S. PREZIOSI  
ANNE S. SCHMIDT  
JAMES SMITH  
MARGARET EARLEY  
ANTHONY NAPOLI

December 21, 1988

Mr. Michael Nolan, Chairman  
Mayor's Advisory Committee  
69 Lenox Avenue  
Maywood, N.J. 07607

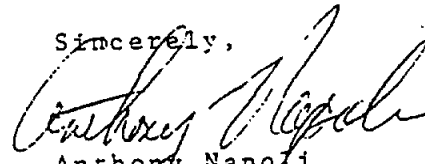
Dear Mr. Nolan:

At the last session of the Mayor and Council, Mrs. Marie Moran, 121 West Magnolia Avenue, asked if projects like a parking lot or a hard court could be put at the Duvier lots (proposed recycling center site).

I seem to recall that at an earlier meeting you mentioned that this property was unsuited for a recycling center because of possible chemical or radiological contaminants. However, you didn't raise it at the last meeting.

Could you research this to verify the aforementioned facts. This question would have to be resolved before any future discussions pertaining to this property could take place.

Sincerely,

  
Anthony Napoli  
Councilman

cc  
Mayor Steuert

(NAPOLI - LETTER)

\*\* - Rushed to #22. Is YES AND YES! - See enclosed. Flood zone MAP. Most of W. MAGNOLIA AVE (LANE) is in Flood zone and westerly Brook crosses area at foot of project site is filled in SWAMPLAND! W. MAGNOLIA (LANE)

20. HAZARDOUS INDUSTRIAL OPERATIONS (see CF 5 of Handbook 1390.2)

Are industrial facilities handling explosive or fire-prone materials such as liquid propane, gasoline or other storage tanks adjacent to or visible from the project site? ( ) Yes (X) No

see below

If your answer is YES, use HUD Hazards Guide and comply with 24 CFR Part 51, Subpart C.

Comments: \_\_\_\_\_

Source documentation: (attach ASD worksheet) Field Observations, 12/12/97

21. AIRPORT HAZARDS (see CF 5 of Handbook 1390.2)

Is the project within 3,000 feet from the end of a runway at a civil airport? ( ) Yes (X) No

Is the project within 2-1/2 miles from the end of a runway at a military airfield? ( ) Yes (X) No

If your answer is YES to either of the above questions, comply with 24 CFR Part 51, Subpart D.

Comments: \_\_\_\_\_

Source documentation: Airport Surfaces, Teterboro Airport, Part 77 Sheet 9 of 10, 10/1/90

22. PROTECTION OF WETLANDS (E.O. 11990) (see CF 3 and 4 of Handbook 1390.2)

Are there drainage ways, streams, rivers, or coastlines on or near the site? ( ) Yes (X) No

Are there ponds, marshes, bogs, swamps or other wetlands on or near the site? ( ) Yes (X) No

\*\*  
\*\*  
see above

For projects proposing new construction and/or filling, the following applies:

Is the project located within a wetland designated on a National Wetlands Inventory map of the Department of the Interior (DOI)? ( ) Yes (X) No

If your answer is YES, E.O. 11990, Protection of Wetlands, discourages Federal funding of new construction or filling in wetlands and compliance is required with the wetlands decisionmaking process (§ 55.20 of 24 CFR Part 55. Use proposed Part 55 published in the Federal Register on January 1, 1990 for wetland procedures).

Comments: Field Observations, 12/12/97 E-XH-C

Site lacks positive indicators of wetland hydrology hydrophytic vegetation

Source documentation: (attach § 55.20 analysis for new construction and/or filling)

\*\* See TAMBURO SKETCH of south side of W. CENTRAL Ave. - one block down from PARK AREA (W. MAGNOLIA) SHOWING STONES, MARION + STEPHAN CO VISIBLE DOWN GEELESTON PLACE

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Source documentation: Field Observation, 12/12/97

27. SOIL STABILITY, EROSION, AND DRAINAGE (see EF 1.2 of Handbook 1390.2)

Slopes: ( ) Not Applicable ( ) Steep ( ) Moderate (✓) Slight — ?

Is there evidence of slope erosion or unstable slope conditions on or near the site? ( ) Yes (✓) No

Is there evidence of ground subsidence, high water table, or other unusual conditions on the site?  
( ) Yes ( ) No

Is there any visible evidence of soil problems (foundations cracking or settling, basement flooding, etc.) in the neighborhood of the site? ( ) Yes (✓) No

SEE TAMBURO Report AND SKETCHES. FLOOD ZONE INCLUDES LOWER W. PARKWAY, AVE. (LANE)

Have soil studies or borings been made for the project site or the area? ( ) Yes ( ) No ( ) Unknown

Do the soil studies or borings indicate marginal or unsatisfactory soil conditions? ( ) Yes ( ) No

Is there indication of cross-lot runoff, swales, drainage flows on the property? ( ) Yes (✓) No — ?

Are there visual indications of filled ground? (✓) No ( ) Yes — ?

If your answer is YES, was a 79(g) report/analysis submitted? ( ) Yes ( ) No

Are there active rills and gullies on site? ( ) Yes (✓) No — see PHOTO

If the site is not to be served by a municipal waste water disposal system, has a report of the soil conditions suitable for on-site septic systems been submitted? ( ) Yes ( ) No (✓) N.A.

Is a soils report (other than structural) needed? ( ) Yes (✓) No — ? WHAT IS BASIS FOR (No) RESPONSE?

Are structural borings or a dynamic soil analysis/geological study needed? ( ) Yes ( ) No

Comments: \_\_\_\_\_  
Proposed project is slab-on grade, decision for soil investigation must be made by the project engineer in conference with accepted building plan

Source documentation: Field Observation, 12/12/97

28. NUISANCES AND HAZARDS (see EF 1.3 and 1.4 of Handbook 1390.2)

Will the project be affected by natural hazards:

\* The property is a filled in SWAMP!

Is the site near natural features (i.e., bluffs or cliffs) or near public or private scenic areas?  
 ( ) Yes (X) No

Are other natural resources visible on site or in vicinity? Will any such resources be adversely affected or will they adversely affect the project? ( ) Yes (X) No

Comments: \_\_\_\_\_  
 \_\_\_\_\_ *Field Ob. 12/12/97* \_\_\_\_\_  
 \_\_\_\_\_

*TOWN used AS DUMP site*

**26. SITE SUITABILITY, ACCESS, AND COMPATIBILITY WITH SURROUNDING DEVELOPMENT**  
 (see EF 1.1 and 1.3 of Handbook 1390.2)

Has the site has been used as a dump, sanitary landfill or mine waste disposal area? ( ) Yes ( ) No

Is there paved access to the site? (X) Yes ( ) No

Are there other unusual conditions on site? ( ) Yes (X) No Is there indication of:

*Pools of crowding? YES!*

|                                | Yes | No  |   | Yes | No  |
|--------------------------------|-----|-----|---|-----|-----|
| distressed vegetation          | ( ) | (X) | oil/chemical spills   | ( ) | (X) |
| waste material/containers      | ( ) | (X) | abandoned machinery, cars, refrigerators, etc.                | ( ) | (X) |
| soil staining, pools of liquid | ( ) | (X) | transformers, fill/vent pipes, pipelines, drainage structures | ( ) | (X) |
| loose/empty drums, barrels     | ( ) | (X) |   |     |     |
| <i>municipal vegetation</i>    |     |     |   |     |     |
| <i>Compost</i>                 | X   |     |   |     |     |

*PHOTO*

Is the project compatible with surrounding area in terms of:

|  | Yes | No  |                               | Yes | No  |
|--|-----|-----|-------------------------------|-----|-----|
| Land use — <i>zoned limited LIGHT INDUSTRIAL</i> | (X) | ( ) | Building type (low/high rise) | (X) | ( ) |
| Height, bulk, mass                               | (X) | ( ) | Building density              | (X) | ( ) |

Will the project be unduly influenced by:

|                            | Yes | No  |  | Yes | No  |
|----------------------------|-----|-----|--|-----|-----|
| Building deterioration     | ( ) | (X) | Transition of land uses<br>Incompatible land uses<br>Inadequate off-street parking | ( ) | ( ) |
| Postponed maintenance      | ( ) | (X) |  | ( ) | ( ) |
| Obsolete public facilities | ( ) | (X) |  | ( ) | ( ) |

Are there air pollution generators nearby which would adversely affect the site:

|                         | Yes | No  |  | Yes | No  |
|-------------------------|-----|-----|--|-----|-----|
| Heavy industry          | (X) | ( ) | Large parking facilities (1000 or more cars) | ( ) | (X) |
| Incinerators            | ( ) | (X) | Heavy travelled highway (6 or more lanes)    | (X) | ( ) |
| Power generating plants | ( ) | (X) | Other _____                                  |     |     |
| Oil refineries          | ( ) | (X) |  |     |     |
| Cement plants           | ( ) | (X) |  |     |     |

*NO CHECK*

*Permit is one block away. See TAMARCO sketch.*

*EXH - C*

|                           | <u>Yes</u> | <u>No</u> |                                    | <u>Yes</u> | <u>No</u> |
|---------------------------|------------|-----------|------------------------------------|------------|-----------|
| Faults, fracture          | ( )        | (✓)       | Fire hazard materials              | ( )        | (✓)       |
| Cliffs, bluffs, crevices  | ( )        | (✓)       | Wind/sand storm concerns           | ( )        | (✓)       |
| Slope-failures from rains | ( )        | (✓)       | Poisonous plants, insects, animals | ( )        | (✓)       |
| Unprotected water bodies  | ( )        | (✓)       | Hazardous terrain features         | ( )        | (✓)       |

Will the project be affected by built hazards and nuisances:

|                               | <u>Yes</u> | <u>No</u> |                                  | <u>Yes</u> | <u>No</u>      |
|-------------------------------|------------|-----------|----------------------------------|------------|----------------|
| Hazardous street              | ( )        | (✓)       | Railroad crossing                | ( )        | (✓)            |
| Dangerous intersection        | ( )        | (✓)       | Inadequate screened              | ( )        | (✓)            |
| Through traffic               | ( )        | (✓)       | drainage catchments              | ( )        | (✓)            |
| Inadequate separation         | ( )        | (✓)       | Hazards in vacant lots           | ( )        | ( ) - NO CHECK |
| of pedestrian/vehicle traffic | ( )        | (✓)       | Chemical tank-car terminals      | ( )        | (✓)            |
| Children's play areas located | ( )        | (✓)       | Other hazardous chemical storage | ( )        | ( ) - NO CHECK |
| next to freeway or other      | ( )        | (✓)       | High-pressure gas or liquid      | ( )        | ( )            |
| high traffic way              | ( )        | (✓)       | petroleum transmission           | ( )        | (✓)            |
| traffic way                   | ( )        | (✓)       | lines on site                    | ( )        | (✓)            |
| Inadequate street lighting    | ( )        | (✓)       | Overhead transmission lines      | ( )        | (✓)            |
| Quarries                      | ( )        | (✓)       | Hazardous cargo                  | ( )        | (✓)            |
| or other excavations          | ( )        | (✓)       | transportation routes            | ( )        | (✓)            |
| Dumps/sanitary landfills or   | ( )        | (✓)       | Oil or gas wells                 | ( )        | (✓)            |
| mining                        | ( )        | (✓)       | Industrial operations            | ( )        | ( ) - NO CHECK |

Will the project be affected by nuisances:

|                         | <u>Yes</u> | <u>No</u> |                      | <u>Yes</u> | <u>No</u> |
|-------------------------|------------|-----------|----------------------|------------|-----------|
| Gas, smoke, fumes       | ( )        | (✓)       | Unightly land uses   | ( )        | (✓)       |
| Odors                   | ( )        | (✓)       | Front-lawn parking   | ( )        | (✓)       |
| Vibration               | ( )        | (✓)       | Abandoned vehicle    | ( )        | (✓)       |
| Glare from parking area | ( )        | (✓)       | Vermin investment    | ( )        | (✓)       |
| Vacant/boarded-up       | ( )        | (✓)       | Industrial nuisances | ( )        | (✓)       |
| buildings               | ( )        | (✓)       | Other _____          | ( )        | ( )       |

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Source Documentation: Feld Observation 12/10/97

20. WATER SUPPLY, SANITARY SEWERS, AND SOLID WASTE DISPOSAL  
 (see EF 2.1, 2.2, and 2.4 of Handbook 1390.2)

Is the site served by an adequate and acceptable:



23. TOXIC CHEMICALS AND RADIOACTIVE MATERIALS (see CF 5 of Handbook 1390.2)

Has a Phase I (ASTM) Report been submitted and reviewed? ( ) Yes (X) No

If your answer is NO, is a Phase I (ASTM) report needed? ( ) Yes (X) No

Are there issues that require a special/specific Phase II report before completing the environmental assessment? ( ) Yes (X) No

Is the project site near an industry disposing of chemicals or hazardous wastes? ( ) Yes (X) No

Is the site listed on an EPA Superfund National Priorities or CERCLA, or equivalent State list? ( ) Yes (X) No HOW ABOUT STATE KNOWN CONTAMINATED LIST?

Is the site located within 3,000 feet of a toxic or solid waste landfill site? ( ) Yes (X) No

Does the site have an underground storage tank? ( ) Yes (X) No

If your answer is YES to any of the above questions, use current techniques by qualified professionals to undertake investigations determined necessary and comply with § 50.3(i).

Are there any unresolved concerns that could lead to HUD being determined to be a Potential Responsible Party (PRP)? ( ) Yes (X) No

Comments: SEE ATTACHED

Source:

"Results of Radon & Gamma Radiation Measurement at 19 Commercial & Residential Properties of The Maywood Site," 6/94  
"Feasibility Study - Environmental Impact Statement for The Maywood Site,"  
Engineering Evaluation/Cost Analysis for the Cleanup of Residential and Municipal Utility Properties at the Maywood Site, Bergen County, New Jersey" 7/95  
1997 SRP Report, Known Contaminated Sites in New Jersey

24. OTHER

a. ENDANGERED SPECIES (see EF 3.4 of Handbook 1390.2)

Has the Department of Interior list of Endangered Species and Critical Habitats been reviewed? ( ) Yes (X) No

Is the project likely to affect any listed or proposed endangered or threatened species or critical habitats? ( ) Yes (X) No

If your answer is YES, compliance is required with Section 7 of the Endangered Species Act, which mandates consultation with the Fish and Wildlife Service in order to preserve the species.

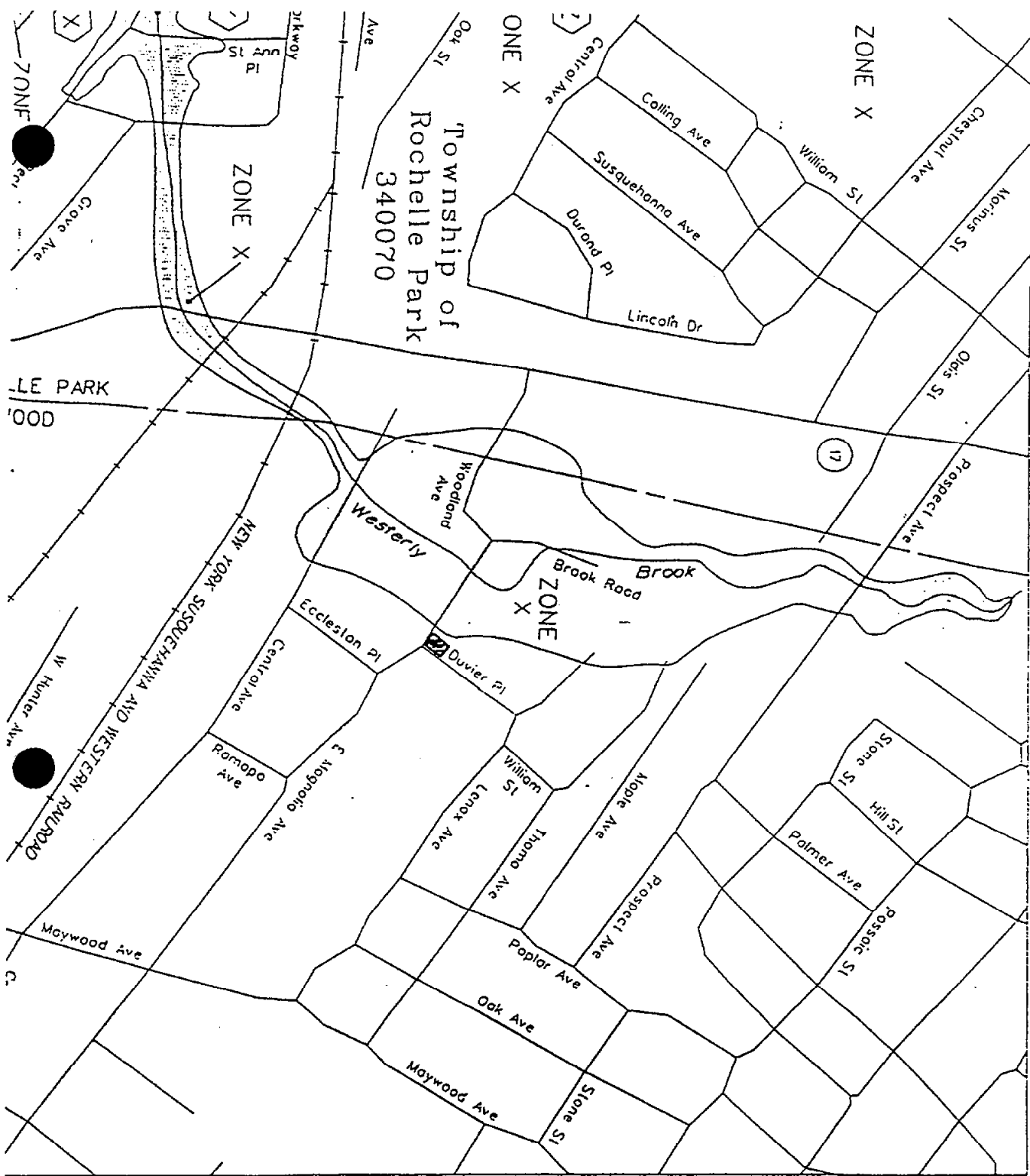
Comments: \_\_\_\_\_

Source documentation: Field Observation 12/12/97

\* MAYWOOD AND GROUND WATER CONTAMINATION IS ON 1997 KNOWN CONTAMINATED SITES

0107

Projected Location



74°03'45"

40°54'22.5"

EXH-D

EXH-D



RE: Our letter of March 30, 1998

1/12

Please advise by return fax if you plan to take action on this matter or allow it to be bull-dozed through?

# CONCERNED CITIZENS of MAYWOOD

## T R A N S M I T T A L

**To:** Ms. Kathleen Naymola, Acting Director, CPD Division

**Firm:** Dept. of Housing & Urban Development

**City:** Newark, N.J.

**Fax:** 1-973-645-4461

**From:** Michael J. Nolan

**FAX Number:** 1-201-845-3271

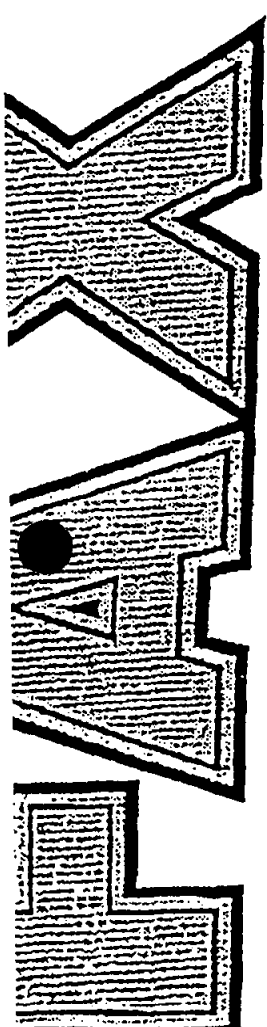
**Date:** April 21, 1998

EXH-E

**Total Pages:** - 12  
(including cover)

**Additional Comments:** We have had no response from you, CD - Hackensack, Bergen County Board of Health, County Executive, USEPA, Maywood Planning Board.

But the Mayor and Council introduced an Ordinance #6-98 (April 9, 1998) with public hearing to be held April 28, 1998 amending Ordinance 17-97 (7/29/97). Despite scheduled public hearing the Mayor & Council adopted Resolution 63-98 (April 14, 1998 awarding bids for building costs and sitework. But again for the record the Magnolia Avenue GW contamination site is on NJDEP's known contaminated list and so is Zechmeister's green house which is already bulldozed and had a large underground tank removed. 50 gallon drums remain.



\*

\* Note Attached copy of NJDEP Known Contaminated List showing MAGNOLIA Ground Water Contamination as a site with on site source of contamination also other enclosures. - Nest Centre drawings are one block from Nest Magnolia Area of concern.

CONCERNED  
CITIZENS  
of MAYWOOD



April 21, 1998

2/12

FOR IMMEDIATE RELEASE

TO: KATHLEEN Naymola Acting Director (HUD)

FROM: MICHAEL J. Nolan

Please Note:

Zechmeister's now appears as a pond area.

The Mayor and Council has suddenly cleaned the area intended for the recreation center but photos are available to show you a "BEFORE" condition.

If we do not have a fax response by Friday this week, we will refer the issue elsewhere for an inquiry.

Copies of this will be sent to those who received copies of our March 30, 1998 letter.

EXH-E

VII. MUNICIPAL LISTING OF SITES  
BERGEN COUNTY

| <u>SITE NAME</u>  | <u>STREET ADDRESS</u>                | <u>IDENTIFIER</u>                  |
|---|--------------------------------------|------------------------------------|
| MAYWOOD BOROUGH   |                                      |                                    |
| ( <u>A. SITES WITH ON-SITE SOURCE(S) OF CONTAMINATION</u> )           |                                      |                                    |
| 9 BROOK AVENUE<br>STATUS: ACTIVE - 05/09/1994                         | 9 BROOK AVE<br>CONTACT: BUST         | NJL600190045<br>- NJL600190045-001 |
| HUNTER DOUGLAS INCORPORATED<br>STATUS: ACTIVE - 02/28/1991            | 87 RTE 17 N<br>CONTACT: BEECRA       | NJD982186306<br>- EB7838           |
| ✓ MAGNOLIA AVENUE GROUND WATER CONTAM<br>STATUS: ACTIVE - 04/01/1992  | MAGNOLIA AVE<br>CONTACT: BSM         | NJD982273583<br>- NJD982273583     |
| MAYWOOD CHEMICAL<br>STATUS: ACTIVE - 09/24/1981                       | WEST HUNTER AVE<br>CONTACT: BFCM     | NJD980529762<br>- NJD980529762     |
| SEARS REPAIR CENTER #8154<br>STATUS: ACTIVE - 02/13/1997              | 200 RTE 17 S<br>CONTACT: BUST        | NJL300266249<br>- 0027056          |
| STEPAN COMPANY<br>STATUS: ACTIVE - 12/12/1994                         | 100 WEST HUNTER AVE<br>CONTACT: BFCM | NJD002011294<br>- NJD002011294     |
| SUNOCO SERVICE STATION MAYWOOD BOROUGH<br>STATUS: ACTIVE - 07/22/1992 | 147 J PASSAIC ST<br>CONTACT: BUST    | NJD986568350<br>- 0015400          |

7 Site(s) with On-Site Contamination in MAYWOOD BOROUGH

B. SITES WITH UNKNOWN SOURCE(S) OF CONTAMINATION

|                |             |              |
|----------------|-------------|--------------|
| 9 BROOK AVENUE | 9 BROOK AVE | NJL600190045 |
|----------------|-------------|--------------|

1 Unknown Source Contaminated Site(s) in MAYWOOD BOROUGH

C. SITES WITH CASE(S) THAT WERE CLOSED BETWEEN 07/01/1996 - 06/30/1997

|  |                                     |                                |
|--|-------------------------------------|--------------------------------|
| 150 LENOX AVENUE<br>STATUS: NFA - 09/20/1996           | 150 LENOX AVE<br>CONTACT: BFO-H     | NJL800190027<br>- 951204160102 |
| ✓ ZECHMEISTER GREENHOUSE<br>STATUS: NFA-A - 02/18/1997 | 100 MAGNOLIA AVE<br>CONTACT: BFO-IN | NJL800268963<br>- 0133797      |

2 Site(s) with Cases that were Closed Between 07/01/1996 and 06/30/1997 in MAYWOOD BOROUGH

EXH.-E

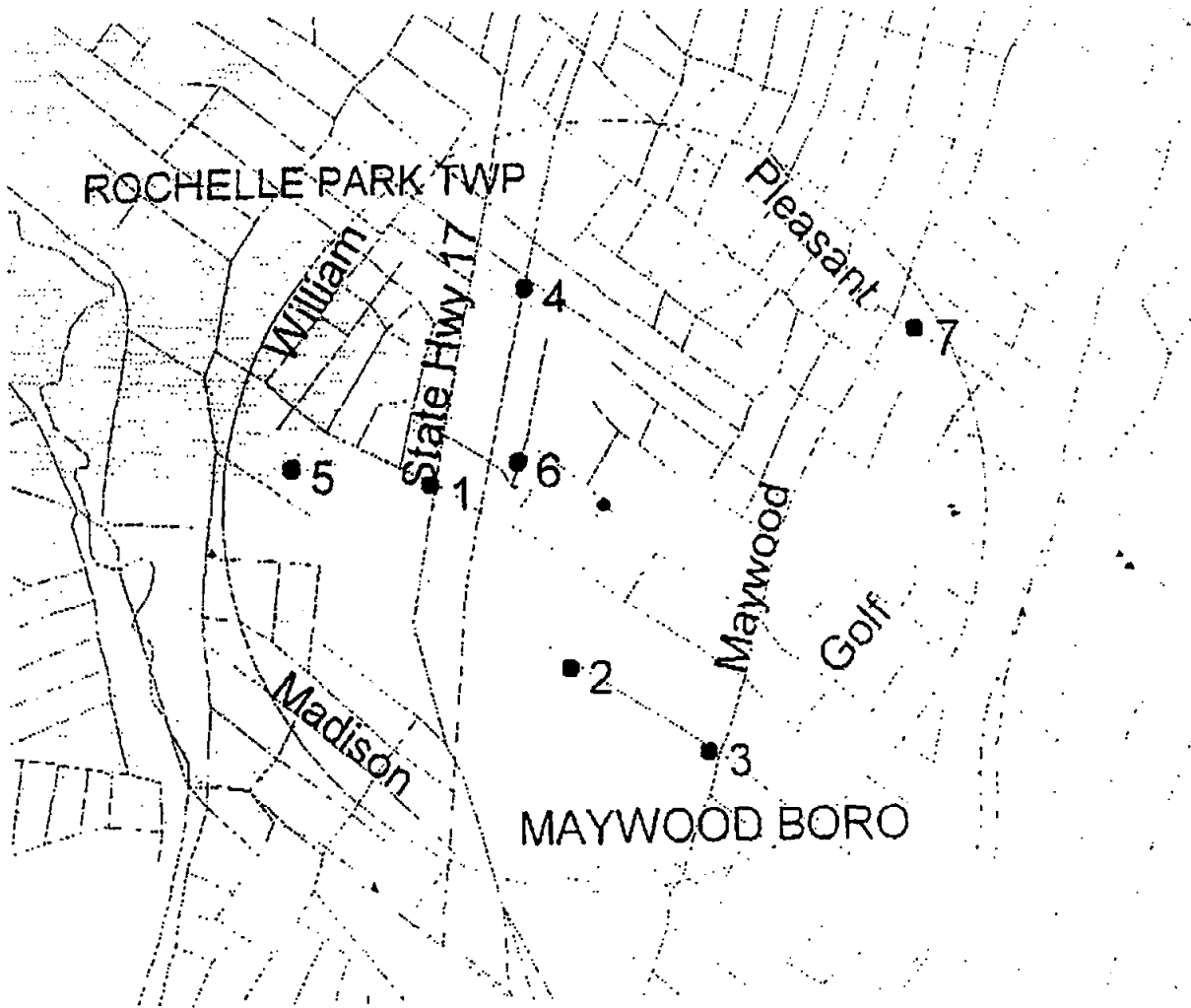
4/12

"Number", "Site-id", "Case-id", "Name", "Address", "City", "County", "Zip", "Status", "Status-dt", "Lead", "Xyorigin"  
1, NJD002009850, 9307184, DIXO COMPANY INCORPORATED, 158 CENTRAL AVE, ROCHELLE PARK TOWNSHIP, BERGEN, 07662, PENDING, 19930609, BFO-M, ADDMATCH  
2, NJD002011294, NJD002011294, STEPAN COMPANY, 130 WEST HUNTER AVE, MAYWOOD BOROUGH, BERGEN, , ACTIVE, 19941212, BFCM, ADDMATCH  
3, NJD980529762, NJD980529762, MAYWOOD CHEMICAL SITES, WEST HUNTER AVE, MAYWOOD BOROUGH, BERGEN, 07607, ACTIVE, , BFCM, ADDMATCH  
4, NJD982273583, NJD982273583, MAGNOLIA AVENUE GROUND WATER CONTAM. MAGNOLIA AVE, MAYWOOD BOROUGH, BERGEN, , ACTIVE, 19920401, BSM, LATIONG  
5, NJD986582187, 0051996, BERGEN PASSAIC TRANSPORT SERVICE, 53 CENTRAL AVE, ROCHELLE PARK TOWNSHIP, BERGEN, 07662, ACTIVE, 19900705, BUST, GPS  
6, NJL600190045, NJL600190045-001, THE ESTATE OF ANDREW TURLICK, 9 BROOK AVE E, MAYWOOD BOROUGH, BERGEN, 07607, ACTIVE, 19940509, BUST, ADDMATCH  
7, NJL800052136, 0266664, MAYWOOD AUTO, 14 PLEASANT AVE E, MAYWOOD BOROUGH, BERGEN, 07607, ACTIVE, 19950208, BUST, ADDMATCH

EXH-E

5/12

Sites within 0.5 miles of Magnolia Ave. & Eccleston Pl., Maywood Boro



EXH-E

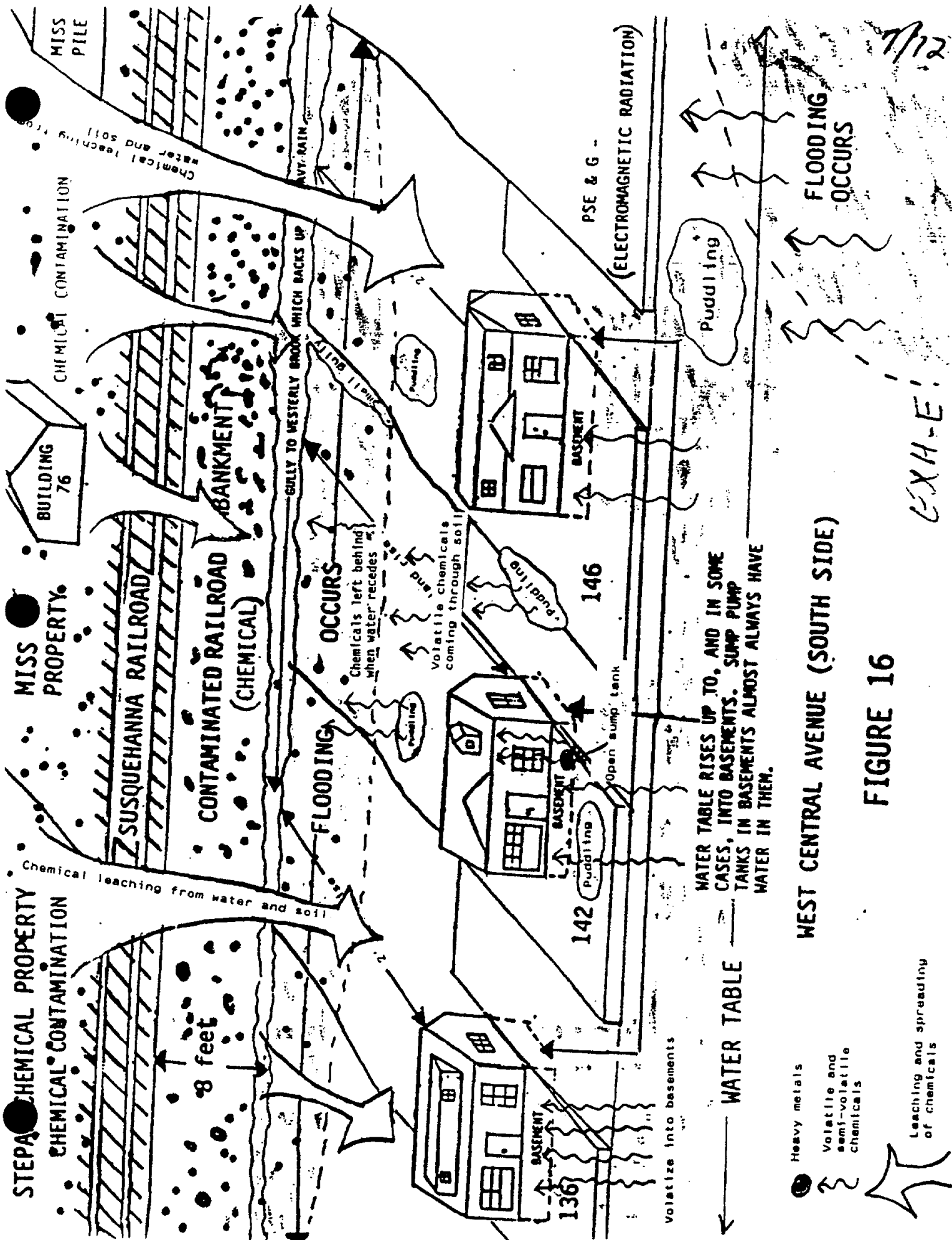
- Magnolia Ave. & Eccleston Pl.
- Known Contaminated Sites within 0.5 mi
- Known Contaminated Sites
- Bergen Roads
- Municipalities
- Counties



CAUTION: The NJDEP provides this map for informal informational purposes only, and makes no warranties or representations, implied or expressed regarding its accuracy or completeness.







West Magnolia !!  
M.D. ?

# DOE concludes: MISS site safe

By CHRIS NEIDENBERG  
Of The Shopper News

**MAYWOOD** — Residents living along five streets north of the Maywood Interim Storage Site (MISS) are not being exposed to dangerous radiation levels from the site, a U.S. Department of Energy (DOE) report concludes.

The report, sent to the Board of Health Jan. 13, contends that measurements taken showed most of the street readings stayed close to what the department considers "background" levels (radiation already in the environment) and were not adding dangerous levels. Readings were taken last November along West Central, West Magnolia, Lenox, Thoma and Taplin avenues.

"None of the measurements obtained in this survey were significantly above background," writes Susan Cange, MISS project manager, based in Oak Ridge Tenn. "Review of this data indicates that there is no significant contribution to background radiation from the MISS."

According to Cange, the "average background value" for Maywood is 9 microroentgens and hour (uR/h). She states that data collected during the surveys showed gamma radiation exposure measurements ranging from 7.0 to 15.9 micro-roentgens per hour (uR/h). She says the MISS cannot be contributing high radiation levels, since "one would anticipate" that levels would decrease the farther away one goes away from the site. Cange tells officials such a scenario does not exist, since most readings range from roughly 7.5 uR/h to 9.5 uR/h on all streets regardless of distance.

She points out that the highest readings on West Magnolia Avenue (15.9) are emanating from an "offsite background source" not associated with the MISS. Even that reading, Cange explains, falls under DOE's "level of concern" (20 uR/h or about twice above background).

Democratic council members Thomas Murphy and Joan Win-

nie, DOE supporters, said the findings prove the site is not dangerous.

"The whole town is safe," Murphy said. "The report shows Maywood is nowhere near danger."

Both have harshly criticized Concerned Citizens of Maywood, which has blasted DOE's actions. But Dr. Peter Montague, research director for the Washington-based Environmental Research Foundation, said the group has every right to be angry. Montague studied Maywood in the early 80s.

He charged the DOE has consistently downplayed serious radiation hazards at sites nationwide, and said any radiation readings above background are unsafe.

"DOE expresses this whole situation in terms of their standards, which allows a doubling of background radiation," he said. "But the fact is that there's good evidence to show that any increase in radiation carries an increased risk of cancer and

birth defects."

After personally reviewing the report, Montague advised that authorities investigate the intersections of Ramapo and West Magnolia avenues and West Magnolia and Eccleston Place. The streets featured the highest readings (15 uR/h) not attributed to the MISS.

"Those locations should be looked at," he said. "I can't say the MISS is the source. Yet the readings are two-thirds above background, so the citizens there should be asking what is the source? When the DOE says the acceptable level is 9 (uR/h), residents should ask why must I even be exposed to 10?"

Montague called the DOE record "abysmal" and claimed its policy for transporting soil to the MISS is "a reason for concern," since it could expose citizens to more radiation. The DOE maintains the site is safely secured.

Dr. Paul Charp, a U.S. government scientist who studies radiation for the Atlanta-based

Agency for Toxic Substances and Disease Registry, said "educated guess" is that people should start worrying if radiation levels are four to five times above background.

Charp said his own standards are based on recommendations from the International Commission on Radiological Protection Standards. He said scientists are divided on the question of safe standards.

Charp did not totally reject Montague's contentions on level radiation, but suggested the evidence is still unclear.

"I'm not saying that he (Montague) is wrong or that he's right," he said. "I'm saying it's too close to call."

While he said he agrees the DOE has a less-than-oustanding record in handling radiation problems, Ci claimed the department done a good job in stabilizing contamination at certain sites such as Wayne. He could provide a detailed opinion on Maywood.

2.

EXH-E

not  
2/12

# You BE THE JUDGE!

9/12

## Letters...

### John Tamburro Lists Studies About Chemicals in Maywood

Dear Mrs. Ponce --

When Tom Richards inferred that the Concerned Citizens circulated misinformation with regard to the possibility that hazardous chemicals were responsible for deaths, illnesses, and birth defects, he apparently either did not review or understand the following reports:

Bechtel National's "Health and Safety Plan for the RI/FS Study -- Environmental Impact Statement for the Maywood Site," prepared for the DOE, June 1990; Bechtel's "Field Sampling Plan for the RI/FS Environmental Impact Statement for the MISS," prepared for DOE, June 1990; Ebasco Services "Final Report for Maywood Chemical Site, Sears and Vicinity Properties," February 1987; Ebasco's "Draft Report for the Maywood Chemical Site, Stepan Company Property," 1988; NJ-DEP and Environmental Health Service, NJ Department of Health, "Health Assessment, Maywood Chemical Sites," prepared for Agency for Toxic Substances and Disease Registry, July 1990.

These reports clearly indicate that properties, such as Stepan, the MISS, the Susquehanna Railroad property, and Sears and vicinity properties are heavily contaminated with dangerous chemicals, heavy metals and radioactive elements. The first three are within several hundred feet of homes on West Central Avenue and Eccleston Place.

There is a serious health threat to these residents. Millions of pounds of thorium are buried in pits on Stepan and the MISS properties. Chemical contamination of the ground water has been found by the analysis of wells on West Magnolia Avenue, analysis of soil gas on 142 West Central Avenue, and

well analysis of a resident living on Maywood Avenue near Essex Street. These are evident in the Ebasco Reports, in the Health Study, and in the DOE reports. Such chemical and radiological contamination is a serious health threat. Water levels are near basement floors and the chemicals can evaporate into cellars, become trapped, and accumulate, or be deposited inside if water comes in and carries solids, such as arsenic and mercury, in addition to bringing in the dangerous volatile chemicals.

Residents on West Central Avenue and Eccleston Place have been exposed to higher levels of radiation than anywhere else in the entire Maywood site, which includes Lodi, and are also exposed to the dangerous chemicals in the ground water. On top of that, these residents are also being exposed to dangerous electromagnetic radiation from the PSE&G plant in the same area.

The health of many Maywood residents is indeed in jeopardy. It really is a shame that the residents of Eccleston Place and West Central Avenue, the residents who have been exposed to more radioactivity and chemicals than any other resident in what is called "The Maywood Site," including Lodi contaminated properties, is the place where all these dangerous chemicals and dangerous radioactive elements are being deposited, and where no clean-up of the deadly chemicals and radioactivity on Stepan and the MISS properties, has yet to occur. How can anyone humanely subject these residents to even more danger by adding more radioactivity and chemical to a dump site that will add so much more danger to the health of these residents.

John Tamburro  
142 West Central

#### CHALLENGE

MAYWOOD CONCERNED CITIZENS

DARE

MR. RICHARDS TO IDENTIFY

"MISINFORMATION"

AND WE WILL DEBATE HIM

BEFORE

ANY AND ALL MAYWOOD ORGANIZATIONS

OR

WOULD HE

RATHER

APOLOGIZE

### Still Believes That Chemicals Are In Ground

Dear Editor --

The EPA compiled a list of about 1000 toxic sites in the United States that require emergency attention and called this list "Superfund." The town of Maywood is approximately Number 66 on the list, and approximately Number 6 in New Jersey.

To date, no comprehensive health study for Maywood has been prepared to confirm that residents have not become ill because of this toxic dump site. Yet, Councilman Richards states that "the news (that the soil is not a mixed waste) would come as a great relief to many residents who had been led to believe by the Concerned Citizens group that hazardous chemicals were responsible for deaths, illnesses and birth defects. Hopefully, the test results would bring an end to the misinformation that had been circulated." (Our Town 3/31/90). This statement is irresponsible, a partial truth and an oversimplification.

David Tyklusker, an environmental law specialist, successfully represented the widow of a Stepan worker who died of lung cancer, allegedly caused by on-site ionizing radiation. Mr. Tyklusker made the following statement, "Does Maywood have a problem meriting further study? I say yeah and I'll go even further. I really think there's this bizarre idea that you need dead bodies to study. When will this (thinking) stop. We know carcinogenic chemicals and ionizing radiation have existed on this site. We know the site has been handled in a less than exemplary manner, that ionizing radiation knows no boundaries and has killed at least one worker. To say there's no reasonable chance that area residents have been exposed puts hope above logic, the alarm --- if any --- is not undue."

When is Councilman Richards going to cease putting hope above logic?

Sincerely,  
Louise Ponce  
584 Elm

EXH-C

10/12

**Letters to the Editor**

**Fajvan. . .**

Dear Kathy --  
I am writing this letter to you in response to the front page article, entitled, "Cancer Rates Cited in 3 Towns in Bergen," in the September 6 issue of *The Record*.

The article speaks about the increase of brain and central nervous system cancers that have affected women living in Maywood, Rochelle Park and Lodi. My response to the article is two-fold, both professional and personal.

Several years ago, I wrote to this very column, after the diagnosis of cancers in Ryan Freemeyer and Caitlin Spendley, urging the Mayor and Council to "keep a watchful eye" on this situation. Since writing that letter, Katie Cordes was diagnosed with cancer, and has since passed away.

Now comes news of the fact that our town has twice the national norm of the levels of these types of cancers. What concerns me greatly is Mayor Tom Murphy's "lack of alarm." Mr. Mayor, with the statistical figures that were posed in this article, now is the time for alarm.

The Cancer Registry has had 11 strains of cancer reported to it for neighborhoods near the Maywood Superfund site between 1979 and 1988, and I am sure that numbers reported for the following 10 year period will show an increase.

We should seriously look into what is going on in our own backyards that is causing such alarming statistics, and, Mr. Mayor, not blame the problem on "older adults moving from out of town into two senior citizen complexes built in Maywood and Rochelle Park," as was stated in the article.

On a personal level, I am also writing of my concerns. In October 1996, I, too, was diagnosed with cancer, from which my oncologist cannot find me liable for any of the risk factors associated with it. I am 32 years old, and have lived in Maywood for 26 years. I certainly do not fit into the population that the Mayor speaks of. More recently, we lost our 50 year old neighbor to a malignant brain tumor after a valiant five month battle.

Come on Mr. Mayor, it's time to wake up and begin an aggressive campaign in this and surrounding towns to find out what's going on, and to bring an end to more residents of our town having to hear the most dreaded words known today, "You have cancer." Thank you.

Sincerely yours,  
John Fajvan, RN  
57 Stelling

EXH.-E

CLERK  
Mary Anne Rampolla, RMC  
(201) 845-2900  
Fax: (201) 909-0673

BOROUGH ADMINISTRATOR  
William Sheridan  
(201)-845-2908



4/14/98

11/12

MAYOR  
Thomas B. Murphy  
COUNCIL PRESIDENT  
Thomas F. Gaffney  
COUNCIL MEMBERS  
Joan T. Winnie  
Frank Beatrice  
Wayne Kuss  
Robert G. Stigliano  
June C. Kinback

## BOROUGH OF MAYWOOD

459 Maywood Avenue, Maywood, NJ 07607

RESOLUTION NO. 63-98

RESOLUTION AWARDING CONTRACT FOR THE  
CONSTRUCTION OF THE MAYWOOD SENIOR RECREATION CENTER TO  
WALTER H. POPPE GENERAL CONTRACTORS, INC. AND  
M. J. D'ARMINIO, INC.

WHEREAS, the Mayor and Council of the Borough advertised for the receipt of bids for the construction of the Maywood Senior Recreation Center, pursuant to specifications prepared by Daniel J. Barteluze Architects, P.C.; and

WHEREAS, on March 16, 1998, Walter H. Poppe General Contractors, Inc., submitted the lowest bid for the building cost; and

WHEREAS, on March 16, 1998, M. J. D'Arminio, Inc. submitted the lowest bid for the site work; and

WHEREAS, sufficient funds are available in Bond Ordinance No. 19-17 as modified by Bond Ordinance No. 6-98 for this purpose and the Chief Financial Officer's certification is attached;

NOW, THEREFORE, BE IT RESOLVED, by the Mayor and Council of the Borough that:

1. The Contract for the construction of the building is awarded to Walter H. Poppe General Contractors, Inc., 188 E. Franklin Turnpike, Ho-Ho-Kus, New Jersey for the contract amount of \$380,324, being the building base bid of \$423,324, less the following alternates: \$35,000 is deducted for the roof framing and \$8,000 is deducted for the ceramic tile in the bathrooms.

2. The Contract for the site work is awarded to M.J. D'Arminio, Inc., 130 West Franklin Street, Hackensack, New Jersey, for the contract amount of \$57,272.00.

3. The Mayor and Clerk are authorized and directed to execute a contract in the form prepared by the Borough Attorney.

4. The bid security of the bidders Walter H. Poppe, M.J. D'Arminio and Heritage Construction Services are to be returned by the clerk only after the execution of the contracts and the

EXH-E

ATSDR

**SUMMARY OF MEETINGS  
IN MAYWOOD, ROCHELLE PARK, & LODI, NEW JERSEY  
March 5 - 9, 1995**

Maywood, New Jersey

Maywood Sanitary Inspector, Council President - Police Commissioner,  
and Councilman - local health and gov't officials

The health inspectors were very knowledgeable about the ATSDR and the Health Consultation process. They were mainly concerned with specific issues regarding the site. They also had information on where a Public Availability Session can be held, and what were the best newspapers for advertising.

The officials at the meeting were concerned about the status of several pieces of property that are either being renovated or used by the towns people for recreation. They also expressed concern over an electrical substation in the area, which they believe may be linked to breast cancer in Maywood. Finally, the officials wanted to receive a copy of the New Jersey Department of Health (NJDOH) Cancer Incidence Study for the area.

Other issues discussed were the problems and delays surrounding the clean - up of the site; citizen's continuing concern over the health effects of past chemical exposure; and local politics involving the site. Specific questions involving politics or DOE's schedule will not be outlined in the questions below.

These are some of the questions which were asked during the meeting. Some of them will be addressed in the Health Consultation.

Q : Does the ATSDR have any information linking EMF from an electrical substation to the occurrence of Breast Cancer?

Q : Has the grassy area near the baby (municipal) pool been characterized by the DOE ? If so, will it be addressed in the Health

EXH F

Consultation?

Q : Has Grove Tree Park (currently undergoing renovations) been characterized? Will it be addressed in the Health Consultation?

Q : When will the NJDOH study be finished and finalized.

Project: Maywood Senior Citizen Community Center

VII. Project Description

The Borough of Maywood has a growing Senior population. As of 1990, there were 2,022 Seniors living in Maywood. That number is believed to have increased, substantially. Recreational activities for all segments of the population in the Borough could be improved and increased but not more so than for the elderly population in the Borough. There is a need for a facility dedicated to the Seniors to allow for recreation, exercise, learning, cordial socialization and education, for all of the elder in the Borough, with individuals of their own age.

As a result, the Borough plans the development of a dedicated Senior Citizens Community Center within which Seniors can actively participate in the recreational and other activities which will keep them young and health.

This request for funding is for the first phase of this project. It includes a request to Fund:

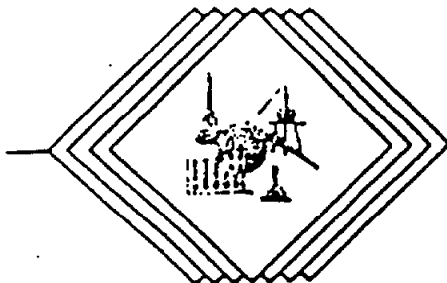
1. Survey of the existing Borough owned property *feasibility, only without construction*
2. Preparation of Architectural plans and specifications ✓
3. Engineering of the site and infrastructure improvements to the site ✓
4. Construction at the site to allow vehicle access, water service, sewer and storm sewer improvements and proper storm water surface and sub-surface drainage from the area.

If need be this project can be phased - Phase I, will be the construction of the building in its entirety and Phase II, would entail the site improvements, parking, drainage, landscaping, etc.

The proposed building is adjacent to the Municipal Pool Parking Lot. This lot can be used temporarily until the site improvements are completed. ✓

EXH - G





**AQUA ASSOCIATES INC**  
ENVIRONMENTAL CONSULTANTS & TESTING LABORATORY

1275 BLOOMFIELD AVE., P. O. BOX 12  
FAIRFIELD, NJ 07004  
(201) 227-04

N.J. DEP. CERTIFIED LABORATORY #0706

Zechmeister Bros.  
Pt. of W. Magnolia Ave.  
Maywood NJ 07607

**ANALYSIS REPORT:**

Date 03/25/87  
Laboratory No. 653  
Date Sampled 03/23/87  
Location Same  
Source Drilled Well

**TOXIC AND CANCER CAUSING COMPOUNDS (results in parts per billion)**

| Parameter                   | Results | Units |
|-----------------------------|---------|-------|
| 1,1,1 - Trichloroethane * * | 1.1     | ug/l  |
| Carbon tetrachloride * *    | * *     | ---   |
| 1,1 - Dichloroethane * *    | * *     | ---   |
| Methylene Chloride          | ND      | ug/l  |
| Trichloroethylene           | 3.3     | ug/l  |
| Chloroform (THM)            | ND      | ug/l  |
| Tetrachloroethylene         | 88      | ug/l  |
| 1,2 - Dichloroethane        | ND      | ug/l  |
| Bromodichloromethane (THM)  | ND      | ug/l  |
| 1,1,2 - Trichloroethane     | ND      | ug/l  |
| Dibromochloromethane (THM)  | ND      | ug/l  |
| Bromoform (THM)             | ND      | ug/l  |

COMMENTS: ND presence of this compound was not detected

\* \* Compounds inseparable measured as 1,1,1 - Trichloroethane

< Less Than

THM (Total Trihalomethanes) limit prescribed by EPA is 100 pp

*Case 1001-13  
Compliance Sample*

Signature R. Cebrala Lab Manager

**FIGURE 4**

*EXH. H*

INCIDENT REPORT

REC'D BY: SCT  
NJ DEP CASE NO. (If any)

6 15 88  
(Mo.) (Day) (Yr.)

REPORT BY: MR. GREER Phone 845-8116

at \_\_\_\_\_ State N.J.  
Affiliation/Title SANITARIAN / MAYWOOD

INCIDENT LOCATION: Transportation Facility  Other \_\_\_\_\_  
(Site) MR. ZEICHMEISTER Phone \_\_\_\_\_  
at AT END OF MAGNOLIA  
MAYWOOD, N.J.

of Incident 6 15 88 Time: ?  
(Mo.) (Day) (Yr.)

TYPE OF INCIDENT:  Complaint \_\_\_\_\_ Emergency \_\_\_\_\_ Notification \_\_\_\_\_

INCIDENT DESCRIPTION:  
Fire \_\_\_\_\_ Explosion \_\_\_\_\_ Air Release \_\_\_\_\_ Water Pollution  Illegal Dumping \_\_\_\_\_  
Collisions \_\_\_\_\_ Sewage \_\_\_\_\_ Spill \_\_\_\_\_ Noise \_\_\_\_\_ Haz. Mat. \_\_\_\_\_  
Other (Specify) \_\_\_\_\_

Properties (Y/N/U) Public Exposure (Y/N/U)  
Mandatory Evacuation (Y/N/U) Police at Scene (Y/N/U)  
Public Evacuation (Y/N/U) Firemen at Scene (Y/N/U)  
Contamination of \_\_\_\_\_ Air \_\_\_\_\_ Land  Water \_\_\_\_\_ Assistance Requested (Y/N/U)  
Possible Water Source (Y/N/U) Wind Direction/Speed \_\_\_\_\_  
Drinking Water WESTERLY BROOK Precipitation (rain/snow) \_\_\_\_\_  
Type:  Residential \_\_\_\_\_ Industrial \_\_\_\_\_ Commercial \_\_\_\_\_ Rural \_\_\_\_\_  
\_\_\_\_\_ Sensitive Population (Hosp., School, Nursing Home)

WITNESSES AT INCIDENT SCENE MR. ZEICHMEISTER STATED HE SMELLS  
MAGNOLIA IN BROOK

RESPONSIBLE PARTY: \_\_\_\_\_ Known \_\_\_\_\_ Suspected  Unknown \_\_\_\_\_  
Party Name \_\_\_\_\_ Phone \_\_\_\_\_  
Address \_\_\_\_\_ Title \_\_\_\_\_  
City \_\_\_\_\_

ENVIS \_\_\_\_\_  
\_\_\_\_\_

CASE HANDLING

PARAM: AIR  WATER  NOISE  HAZ. MAT   
OTHER  Specify \_\_\_\_\_

Assigned To: Name/Title Bonnie Mondelli / Lab. Supervisor  
Date 6 / 16 / 88  
(Mo.) (Day) (Yr.)

Agent Referred To: \_\_\_\_\_ Affiliation \_\_\_\_\_  
Phone \_\_\_\_\_ Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time \_\_\_\_\_ a.m. / p.m.  
(Mo.) (Day) (Yr.)

Name \_\_\_\_\_ Affiliation \_\_\_\_\_  
Phone \_\_\_\_\_ Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time \_\_\_\_\_ a.m.

EXH-I



COUNTY OF BERGEN  
COMMUNITY DEVELOPMENT

Administration Building • Court Plaza South • 21 Main St. • Hackensack, N.J. 07601-7000  
(201) 646-2559 • FAX (201) 487-0945

William P. Schuber  
County Executive

Joseph Rutch  
Director

March 26, 1998

Ms. Kathleen Naymola, Acting Director  
CPD Division  
U.S. Department of Housing & Urban Development  
One Newark Center  
Newark, NJ 07102

Re: Request for Release of Funds and Certifications:

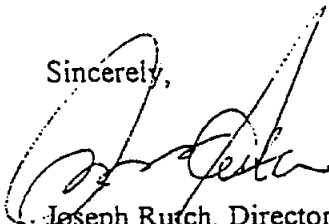
Maywood Senior Citizen Recreation Center

Dear Ms. Naymola :

*3/26/98* Attached for processing is a "Request for Release of Funds and Certification" form for CDBG Funds.

If you should have any questions, please contact me at (201) 646-2559.

Sincerely,

  
Joseph Rutch, Director  
Community Development

JR:ed  
Enc.

*EXH - J.*

# Request for Release of Funds and Certification

U.S. Department of Housing and Urban Development  
Office of Community Planning and Development



(Pursuant to Section 104(g) of Title I, Housing and Community Development Act of 1974, and Section 17(c) of the U.S. Housing Act of 1937)

OMB No. 2506-0087 (8-31-8)

|  |   |                                 |                           |
|--|---|---------------------------------|---------------------------|
| 1. Program Title(s) and OMB Catalog No(s)<br>Community Development Block Grant<br>OMB Catalogue No. 14.218             | 2. HUD/State Identification Number<br>22-6002426                      |                                 |                           |
|  | 3. Recipient Identification Number<br>B-97-UC-34-0100                 |                                 |                           |
| 4. Name and Address of Recipient<br>County of Bergen<br>Administration Bldg., Court Plaza S.<br>Hackensack, N.J. 07601 | 5. For Information on this Request, Contact<br>Joseph Rutch, Director |                                 |                           |
|  | 6. Date of Latest Assistance Action                                   |                                 |                           |
| 7. Date of This Request<br>3/25/98   | Application Submission<br>5/7/97                                      | Preliminary Approval<br>6/20/97 | Grant Agreement<br>7/1/97 |

## Part 1. Request for Release of Funds

8. HUD or State Agency and Office Unit to Receive Request  
U.S. Department of Housing & Urban Development  
Newark Office, Region II  
Community Planning & Development Division

The recipient(s) of assistance under the program(s) listed above requests the release of funds and removal of grant conditions governing the use of the assistance for the following:

|  |  |
|--|--|
| 9. Program Activity/Project Name<br>Construction of Maywood Senior Recreation Center | 10. Location (Street Address, City, County, State)<br>Duvier Place, Maywood, Bergen County<br>New Jersey |
|--|--|

11. Program Activity/Project Description

In the Borough of Maywood, located on Duvier Place, the following project has been proposed:  
Construction of a Senior Citizen Recreation Center.  
Construction - \$298,930.00  
Site Improvements - \$20,000.00  
Architectural Fees - \$18,219.78  
Engineering Fees - 5,000.00  
Contingency 6% - \$17,935.80

The proposed project will utilize 1997 CDBG funds in the amount of \$340,086.00

EX-4 - J.

Part 2. Environmental Certification

With reference to the above Program Activity/Project, I, the undersigned officer of the recipient, certify that:

- 1. The recipient has fully carried out its responsibilities for environmental review, decision-making and action pertaining to the project named above.
- 2. The recipient has complied with the National Environmental Policy Act of 1969, as amended, and with the environmental procedures, permit requirements and statutory obligations of the laws cited in 24 CFR 58.5.
- 3. The recipient has taken or will take into account the environmental criteria, standards, permit requirements and other obligations applicable to the project or program activity under other Federal, State and local laws that the recipient has the direct responsibility to comply with.
- 4. For UDAG projects only, the recipient has provided the State Historic Preservation Officer and the Secretary of the Interior an opportunity to act with respect to properties which the recipient believes are affected by the project and are eligible for the National Register of Historic Places (Section 119(m), HCD Act of 1974, as amended).

After considering the type and degree of environmental effects identified by the environmental review completed for the proposed project described in Part 1 of this request, I have found that the proposal  did  did not require the preparation and dissemination of an environmental impact statement.

The recipient has, prior to submitting this request for the release of funds and certification, published in the manner prescribed by 24 CFR 58.43 a notice to the public in accordance with 24 CFR 58.70 and as evidenced by the attached copy (copies).

The dates upon which all statutory and regulatory time periods for review, comment or other action, following the completion of the environmental review for the project/program activity, began and ended as indicated below in compliance with the procedures and requirements of 24 CFR 58.

| Item  | Commence | Expire  | Item   | Commence | Expire |
|---|----------|---------|--|----------|--------|
| Notice of Finding of No Significant Impact<br>Publication Date:   |          |         | Notice of Intent to Prepare an EIS<br>Publication Date:  |          |        |
| Comment Period:   |          |         | Comment Period:  |          |        |
| Combined Notice: Finding of No Significant Impact and Intent to Request Release of Funds<br>Publication Date: | 3/2/98   |         | Draft EIS<br>Publication Date:   |          |        |
| Comment Period:   | 3/3/98   | 3/17/98 | Comment Period:  |          |        |
| Notice of Intent to Request Release of Funds<br>Publication Date:   |          |         | Final EIS<br>Publication Date:   |          |        |
| Comment Period:   |          |         | Comment Period:  |          |        |
| Other (specify):  |          |         | Other (specify):   |          |        |
| Request for Release of Funds<br>HUD or State Decision Period:<br>(Minimum period for approval)                | 3/18/98  | 4/1/98  | Request for Release of Funds<br>Actual by HUD or State<br>HUD or State Decision Period:<br>(Minimum period for approval) |          |        |

I, the duly designated certifying official of the recipient, I am authorized to and do consent to assume the status of responsible official under the National Environmental Policy Act of 1969 and each provision of law designated in the 24 CFR 58.5 list of NEPA-related laws as the provisions of these laws apply to the HUD responsibilities for environmental review, decisionmaking and actions that have been undertaken by the recipient.

By so consenting, I have assumed the responsibilities for the conducting of environmental review, decisionmaking and actions as to environmental issues, preparation and circulation of draft final and supplemental environmental impact statements, and lead agency or cooperating agency responsibilities for preparation of such statements on behalf of federal agencies, including HUD, when these agencies consent to such assumptions.

I am authorized to and do accept, on behalf of the recipient and myself, the jurisdiction of the federal courts for the enforcement of all these responsibilities, in my capacity as certifying officer of the recipient.

Name of Certifying Official of the Recipient: [Signature]  
Address: Community Development  
21 Main St.  
Court Plaza, Rm 202W  
Hackensack, N.J. 07601 (EXH-J)

Section 1001 of Title 18 of the United States Code and the Criminal Procedure shall apply to this certification. Title 18 provides, among other things, that whoever knowingly makes or uses a document or writing containing any false, fictitious, or fraudulent statement or entry, in any manner within the jurisdiction of any department or agency of the United States, shall be fined not more than \$10,000 or imprisoned not more than five years or both.



**COUNTY OF BERGEN**  
**OFFICE OF THE COUNTY EXECUTIVE**

Administration Building • Court Plaza South • 21 Main St. • Hackensack, N.J. 07601-7000  
(201) 646-3685 • FAX (201) 646-3101

William P. Schuber  
County Executive

Jerrold B. Binney  
Chief of Staff

April 20, 1998

Mr. Michael Nolan  
69 Lenox Avenue  
Maywood, New Jersey 07607

Re: ~~Maywood Senior Center~~

Dear Mr. Nolan: *MKB*

Pursuant to your April 9, 1998, note addressed to the County Executive attached find April 15, 1998, memorandum prepared by Joseph Rutch, Director (Community Development) relating to certain environmental concerns on the proposed construction site.

After a review of all pertinent documentation and consultations with appropriate professionals, our County Community Development Department has determined that the anticipated action on the site "poses no significant adverse environmental impact."

Very truly yours,

*Jerrold B. Binney*  
Jerrold B. Binney  
Chief of Staff

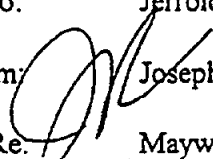
jd  
enc

*call me at 201-646-3685*  
*tom*

MEMORANDUM



BERGEN COUNTY  
COMMUNITY DEVELOPMENT  
Administration Building • Court Plaza South OFFICE  
646-255-8222  
APR 17 11:25 AM '98

Date: April 15, 1998  
To: Jerrold Binney, Chief of Staff  
From:  Joseph Rutch, Director  
Re: Maywood Senior Citizen Center (Nolan)

1. The Borough of Maywood was awarded CDBG funding for its senior citizen center in the amount of \$340,086.00. The site is located at 347 Duvier Place. It is the Division's responsibility to conduct an environmental review under 24 CFR 58 for all CDBG funded projects. The review determines if an activity will have "significant adverse environmental impact and to encourage modification of projects in order to enhance environmental quality and minimize environmental harm."
2. The Division undertook a review of all available documentation, including consultations with environmental and construction professionals, regarding the utilization and proposed construction activity on the site.  
  
The list of professionals interviewed includes; Mr. Rocky Richards, N.J.D.E.P., Assistant Director, Bureau of Site Management; Mr. Steven Tiffinger, Bergen County Department of Health Services, Environmental Program Administrator; Mr. Anthony DeCandia, Bergen County Department of Health Services, Environmental Program Coordinator; Ms. Mary Carton, Borough of Maywood, Health Inspector/Clean Communities Enforcement Officer; Mr. Joseph Thiel, P.E. Project Engineer; Mr. Joseph Mellone, Borough of Maywood, Code Official. All of those interviewed expressed an opinion that there would be no negative environmental impact as a result of the proposed project.
3. Duvier Place is situated in a low area in the western portion of the Borough of Maywood and is in close proximity to areas with known environmental issues. One such area is identified in the N.J.D.E.P. "Known Contaminated Sites in New Jersey" report as Magnolia Avenue Groundwater Contamination. This area lies adjacent to the proposed project site, and was discovered in 1987 by Mr. Vince Greber, Maywood's Sanitary Inspector at the time. The discovery was made on a routine check of well water quality in one of the 6 privately owned wells located in the vicinity. When the wells tested positive for contaminants, they were taken out of service and the effected homesteads were hooked up to the public water supply. In a letter dated December 16, 1987, from Mr. Steven Byrnes of the NJDEP to Mr. Vince Greber of the Maywood Board of

4. Health, Byrnes stated that " the risk assessment concluded that non-carcinogenic effects are not expected from having ingested and or showered in the potable water. This was demonstrated by using conservative estimates to calculate exposure doses and comparing them to acceptable daily intake." Byrnes then goes on to calculate the potential carcinogenic effect as 8 : 1,000,000 for those ingesting and showering in water from the contaminated wells. In the conclusion of his letter, Byrnes states that "it is highly unlikely that any adverse carcinogenic effects would result from past exposures." This was for individuals actually drinking and showering in the water every day.

5. The contaminated wells are no longer in service. Since the proposed project will utilize public water, there will be no possibility that participants at the proposed facility would be exposed to the contaminated well water.

6. The estimated risk to those drinking and showering in the contaminated well water is "low", to those not exposed to the water, the risk is negligible. Slab-on-grade construction decreases the risk even greater. A facet of this project that will decrease the risk of exposure to an even greater extent is the fact that the top 12-24 inches of soil will be removed from the site due to its compressible nature, and in preparation for construction of the proposed type. The soil will be replaced by a type that will allow for less compression, and which can withstand greater loads. (Joe Mellone, Maywood & Johnson Soils Investigation)

7. The other known environmental issue is that of the Maywood Chemical Site. The Duvier Place site lies approximately one-half mile down stream from the chemical site. Again, it was the opinion of professionals that the chemical site would have no significant adverse impact on the Duvier Place site.

8. Based on the aforementioned, it was determined that the activity and site pose no significant adverse environmental impact.

If you should have any further questions regarding this matter, please contact me.



The following is a list of the documentation that was consulted and is available in the environmental review record for this project:

1. - N.J.D.E.P., SRP Report, "Known Contaminated Sites in New Jersey"
2. - U.S. Department of Energy (D.O.E.), 1996 Baseline Environment Management Report, Maywood Site
3. - D.O.E., Results of Radon and Gamma Radiation Measurements at 19 Commercial and Governmental Properties of the Maywood Site Maywood, New Jersey, June 1994
4. - N.J.D.E.P., SRP Report, Site Status Report, Fall 1991
5. - DOE, Feasibility Study - Environmental Impact Statement for the Maywood Site, Maywood, New Jersey, October 1992
6. - DOE, Engineering Evaluation/Cost Analysis for the Vicinity Proper Cleanup of Residential and Municipalities at the Maywood Site, Bergen County, New Jersey, Public Draft, July 1995
7. - NJDEP, December 16, 1987 Correspondence from Steven K. Byrnes, Technical Coordinator, BEERA to Mr. Vincent Greber, Maywood Sanitary Inspector
8. - NJDEP, February 17, 1987 Correspondence from Barker Hamil, Acting Chief, Bureau of Safe Drinking Water to Mr. Allen Overbrugh, Sanitarian, Lodi Health Department
9. - Correspondence from Wesley R. Van Pelt, Ph.D., to Mrs. Patricia Allison, Maywood Borough Clerk, June 7, 1987
10. - Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, Maywood Chemical Company, CERCLIS No. NJD980529762, Maywood, Bergen County, New Jersey, July 30, 1990
11. - U.S. Department of Health and Human Services, Health Consultation, Maywood Chemical Company (Residential and Municipal Vicinity Properties) Maywood/Rochelle Park, Bergen County, New Jersey, CERCLIS No. NJD980529762, December 1995
12. - Johnson Soils Engineering Company, Soils Investigation Report for the Maywood Senior Recreation Center, Maywood and Duvier Place, Maywood, New Jersey
13. - General Testing Corporation, Results of groundwater sampling collected at residences on Magnolia Avenue on March 20, 1987
14. - D.O.E. Maywood Interim Storage Site - 1996 Environmental Surveillance Technical Memorandum
15. - New Jersey Dept. Of Health and Senior Services, Cancer Incidence in Three Communities Near the Maywood Area Superfund Sites, Bergen County, New Jersey, Draft Final Report, Public Comment Release, 9/8/97 - 10/8/97