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October 17, 2013

Ivry Johnson
Freedom of Information Act Officer (OPA-2)
U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Re: Freedom of Information Act Request
Motorola 52nd Street Superfund Site Groundwater Flow and Transport Model

Dear Ms. Johnson:

Pursuant to the Freedom of Information Act (5 U.S.C. Section 552), I hereby request a copy of any and all documents in the files of the Environmental Protection Agency Region IX concerning a completed groundwater flow and transport model for, or related to, the Motorola 52nd Street Superfund Site Operable Unit #3 Study Area or to the Motorola 52nd Street Superfund Site. This includes documents that represent a copy of the computer model or simulation, any modeling reports and all model contour maps. See attached documentation which identifies the existence of this model which was discussed at a Motorola 52nd Street Superfund Site Community Advisory Group Meeting on September 29, 2004 and in April 2012. According to the presentation, EPA has completed a "groundwater flow and transport model for the Site." To date, EPA has not provided this information.

The term "document" as used herein is used in the broadest possible sense and means, without limitation, any written, printed, typed, photostated, photographed, microfilmed, recorded or otherwise reproduced communication or representation, whether composed of letters, words, numbers, pictures, sounds or symbols, or any combination thereof This definition includes copies or duplicates of documents, contemporaneously or subsequently created which have any nonconforming notes or other markings. Without limiting the

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Thank you for your time and consideration in this matter. If you cannot send a copy of the documents requested, I request the opportunity to commence a personal review of these documents. Please call me if you have any questions.

Sincerely,

Jerry D. Worsham II

JDW:pjb
Attachments
cc: Rob Mongrain – Arcadis (with attach)
Bethany Dreyfus, Esq. – EPA Region IX (with attach)
Linda Furlough, Esq. – Meritor, Inc. (with attach)

Jerry Worsham

From: Mongrain, Robert <Robert.Mongrain@arcadis-us.com>
Sent: Thursday, June 28, 2012 6:24 PM
To: Janet Rosati
Cc: Jerry Worsham; Monika OSullivan
Subject: April 25, 2012 Community Information Group Meeting
Attachments: Slide 46 - September 29, 2004 CAG Presentation.pdf; 2043632.PDF

Janet,

At the last Community Information Group (CIG) meeting in April 2012, you mentioned that the United States Environmental Protection Agency (USEPA) had completed a groundwater model for the Operable Unit 3 (OU-3) Study Area of the Motorola 52nd Street Superfund Site. Also, I was looking at old Community Advisory Group handouts, and there was a handout from September 29, 2004 where Kris Paschall from Arizona Department of Environmental Quality talked about a groundwater flow and transport model for the OU-3 Study Area completed by USEPA in 2000 (excerpt, and the entire presentation attached). We would like to have a copy of the model, and any modeling reports, etc. that may exist. Can you dig that information up? It would be greatly appreciated.

Regards,

Rob

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Motorola 52nd Street

EPA National Priorities List (NPL) Site

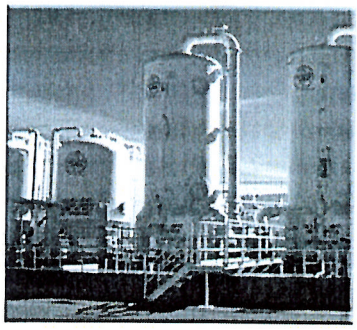
Boundaries:

The Motorola 52nd Street Superfund Site (Site) is located in Phoenix, Arizona, and is divided into three operable units and the Honeywell 34th Street Facility. The Operable Unit 1 (OU1) is bounded by 52nd Street to the east, Palm Lane to the north, Roosevelt Street to the south, and 46th Street to the west. The approximate boundaries of Operable Unit 2 (OU2) are Roosevelt Street to the north, 46th Street to the east, Buckeye Road to the south and 18th Street to the west. Within OU2, the Honeywell 34th Street facility extends from approximately 36th Street to the east to approximately 29th Street to the west and is immediately north of the Sky Harbor Airport north runway. The Operable Unit 3 (OU3) Study Area is bounded by McDowell Road to the north, 20th Street to the east, Buckeye Road to the south, and 7th Avenue to the west. The plume boundary varies and may extend beyond the Site boundary but remains part of the Superfund site in its entirety.

Site Status Update:

Operable Unit 1 (OU1)

Once the proper information has been gathered, Freescale Semiconductor, Inc. (Freescale) will provide a final feasibility study (FS) that evaluates appropriate remedial actions to address contamination within OU1. Freescale currently submits semi-annual and quarterly reports regarding the treatment facility operation and groundwater monitoring. Freescale began conducting a bedrock extraction pilot test in September 2009 to gather more data to assist in determining the most appropriate final remedy. The Arizona Department of Environmental Quality (ADEQ) and the U.S. Environmental Protection Agency (EPA) will then select the final remedy. The public will have the opportunity to comment on the selected remedy prior to it becoming final.



OU1 Treatment System
5005 E. McDowell Road

In early 2009, On Semiconductor announced that the manufacturing operations at the 52nd Street Plant were going to be closed. The treated water from the OU1 Treatment Plant is used by On Semiconductor in the manufacturing operations. Freescale has been evaluating alternative end uses for the treated water. For the interim, ADEQ and EPA approved discharge to the City of Phoenix Sanitary Sewer and that connection was completed in December 2010. Freescale will submit a report to ADEQ and EPA outlining the preferred end use alternatives in 2011. The public will have an opportunity to review the alternatives report.

In early 2010, EPA announced that a vapor intrusion study will take place in the OU1 area. An Administrative Order of Consent was signed between EPA and Freescale, who will be responsible to perform the work, in August 2010 for the residential study. EPA will hold several community meetings to gather input and comments from the community regarding the study.

Motorola 52nd Street Superfund Site

Community Advisory Group Meeting

September 29, 2004

MEETING AGENDA

- Call to Order & Introductions
- The Superfund Process – Nadia Hollan, EPA Project Manager
- Site Background – Kris Paschall, ADEQ Project Manager
- Human Health Effects of Site's Contaminants of Concern (Q&A) – Jeanene Hanley, ADEQ Sr. Risk Assessor

MEETING AGENDA

- Presentation of Certificates to Active CAG Members – Monica Mascareno & Viola Cooper, ADEQ & EPA Community Involvement Coordinators
- Distribution of Site Information – Monica Mascareno, ADEQ Community Involvement Coordinator
- Union Pacific Voluntary Investigation at Phoenix Rail Yard – Nadia Hollan, EPA Project Manager

MEETING AGENDA

- Activities Conducted by Potentially Responsible Parties (PRPs) Located Within Operable Unit 3 – Nadia Hollan, EPA Project Manager
- Update on Honeywell Corrective Action Plan – David Haag, ADEQ Project Hydrologist
- Update on Operable Unit 2 PRP Search – Kris Paschall, ADEQ Project Manager

MEETING AGENDA

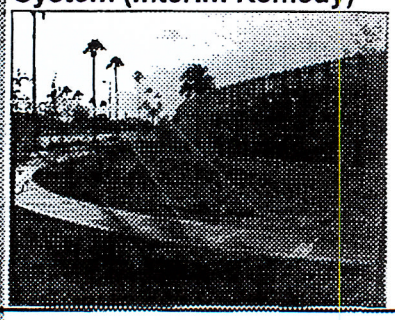
- Call to Public
- Future Meeting Plans & Agenda Discussion
- Adjournment

Call to Order & Introductions

Nancy Nesky, LFR Levine Fricke, ADEQ Consultant

- ADEQ Project Staff
  - Kris Paschall, ADEQ Remedial Project Manager
  - David Haag, ADEQ Project Hydrologist
  - Monica Mascareno, ADEQ Community Involvement Coordinator
- EPA Project Staff
  - Nadia Hollan, EPA Remedial Project Manager (Lead EPA PM)
  - Janet Rosati, EPA Remedial Project Manager (OU3 Groundwater RI/FS Activities)
  - Viola Cooper, EPA Community Involvement Coordinator
- CAG Members
- Community Members & Interested Parties

OU2 Groundwater Pump & Treat System (Interim Remedy)

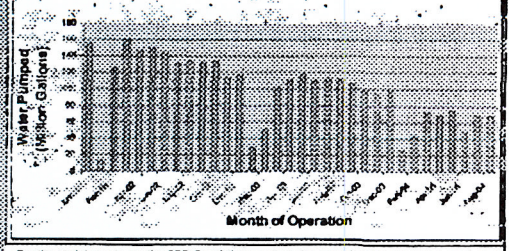


Thru Aug 2004

3,287 million gallons of water pumped

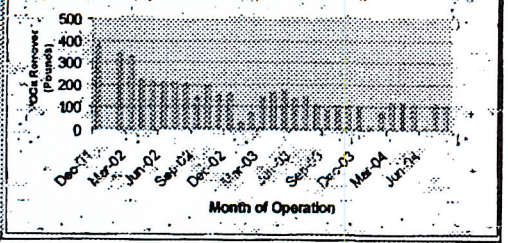
4,877 lbs of VOCs removed

OU2 Treatment System Summary
Volume of Water Pumped Through August 2004



Routine maintenance on the SRP Canal that reaches the treated water was being conducted January 2002, January-February 2003, and January-February 2004; therefore, there was minimal treatment with subsequent discharge allowed. Also, due to heavy rainfall, the SRP Canal was flooded in March 2003; thus, the OU2 Treatment System was not operating at full capacity during this time.

OU2 Treatment System Summary
VOCs Removed as TCE Through August 2004



Although 132.9 million gallons of water were extracted by the OU2 groundwater pump-and-treat system, and the percent of VOC removal was estimated to be 99%, no calculation for the lbs of VOCs removed as TCE was made. Thus, the actual lbs of VOCs removed as TCE by the OU2 treatment system is slightly higher than illustrated on the table

Site Background

Kris Paschall, ADEQ Project Manager

- **OU3 Background**
  - 1997, ADEQ and EPA created OU3 Study Area
  - 2000, EPA completed groundwater flow and transport model for the Site
  - 2001 – Work Plan to conduct a groundwater investigation in OU3 was completed by EPA
  - 2002 – 15 groundwater monitoring wells installed

Site Background

Kris Paschall, ADEQ Project Manager

- **OU3 Background (Continued)**
  - 2003 – EPA completed a supplement to the Work Plan to install a second phase of groundwater monitoring wells
  - 2003 – 13 groundwater monitoring wells installed
  - EPA currently drafting a work plan to install a third phase of monitor wells
  - EPA finished drafting the Groundwater Investigation Report, and it is under review by ADEQ
  - EPA negotiating with PRPs in OU3 area to conduct VOC source identification

Human Health Effects for Site Contaminants of Concern (COCs)

Questions & Answers

Jeanene Hanley, ADEQ Sr. Risk Assessor

ADEQ Arizona Department of Environmental Quality