NOTICE OF INTENT APPLICATION

TO MEET

NPDES PERMIT CAG9900002 REQUIREMENTS

City of Glendale Water & Power

Reliable • Competitive • Trusted

GLENDALE *WATER & POWER*
141 N. GLENDALE AVE, LEVEL 4
GLENDALE, CA. 91206-4496

(818) 551-4667, FAX (818) 240- 4754

March 2009

City of Glendale Water & Power

Reliable • Competitive • Trusted

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ATTACHMENT B – NOTICE OF INTENT FORM

NOTICE OF INTENT (NOI)
WATER QUALITY ORDER NO. 2006-XXXX-DWQ
STATEWIDE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR DISCHARGES FROM UTILITY VAULTS AND UNDERGROUND STRUCTURES TO SURFACE WATERS OF THE UNITED STATES
GENERAL PERMIT NO. CAG990002

I. NOTICE OF INTENT STATUS (See Instructions)

MARK ONLY ONE ITEM	1. [X] New Discharger	2. [ ] Change of Information – WDID #

II. OWNER/OPERATOR *(If additional owners/operators are involved, provide the information in a supplemental page.)*

A. Name		Owner/Operator Type (Check One)	
City of Glendale Water & Power Department, Electric		1.[X] City 2.[ ] County 3.[ ] State 4.[ ] Gov. Combo 5.[ ] Private	
B. Mailing Address: 141 N. Glendale Ave., Level 4			
C. City: Glendale	D. County: Los Angeles	E. State: CA.	F. Zip Code: 91206
G. Contact Person: E.R. Germond	H. Title: Principal Elec'l. Engineer	I. Phone: (818)548-2074	

[ ] ADDITIONAL OWNERS

III. BILLING ADDRESS *(Enter information only if different from above)*

Send to:	A. Name	B. Title	
[X] Owner/Operator [ ] Other	C. Mailing Address		
D. City	E. County	F. State	G. Zip Code

IV. RECEIVING WATER INFORMATION

A. Receiving water(s): Los Angeles, River	B. Describe the types of receiving waters affected: River
C. Regional Water Quality Control Board(s) where discharge sites are located List all regions where discharge of wastewater is proposed, i.e. Region(s) 1, 2, 3, 4, 5, 6, 7, 8, and/or 9:	

V. LAND DISPOSAL/RECLAMATION

The State Water Resources Control Board's water rights authority encourages the disposal of wastewater on land or re-use of wastewater where practical. You must evaluate and rule out this alternative prior to any discharge to surface water under this Order.

Is land disposal/reclamation feasible? [X] Yes [ ] No

If Yes, you should contact the Regional Water Board. This Order does not apply if there is no discharge to surface waters. If No, explain:

VI. VERIFICATION

Have you contacted the appropriate Regional Water Board or verified in the appropriate Basin Plan that the proposed discharge will not violate prohibitions or orders of that Regional Water Board? [X] Yes [ ] No

VII. TYPE (Check All That Apply)

[X] Electric	[ ] Natural Gas	[ ] Telephone	[ ] Other:

VIII. POLLUTION PREVENTION PRACTICES PLAN INFORMATION

A. Company Name			B. Contact Person	
City of Glendale Water & Power Dept.			E. Richard Germond	
C. Street Address Where PLAN is Located			D. Title of Contact Person	
141 N. Glendale Ave., Level 4			Principal Electrical Engineer	
E. City	F. County	G. State	H. Zip Code	I. Phone
Glendale	Los Angeles	CA	91206	(818)548-2074

IX. DESCRIPTION OF DISCHARGE

Describe the discharge(s) proposed. List any potential pollutants in the discharge. Attach additional sheets if needed.
Discharges to surface water may result from dewatering of electrical utility vaults and underground structures for emergency repair or planned maintenance. Potential pollutants may include oil and grease and hydrocarbons from de-mineralized oil in the transformers located inside the vaults.

X. VICINITY MAP AND FEE

A. Have you included vicinity map(s) with this submittal? Separate vicinity maps must be submitted for each Region where a proposed discharge will occur.	[X] Yes	[ ] No	
B. Have you included payment of the filing fee (for first-time enrollees only) with this submittal?	[X] Yes	[ ] No	[ ] N/A
C. Have you included your PLAN?	[X] Yes	[ ] No	

XI. CERTIFICATION

" I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of the permit, including the criteria for eligibility and the development and implementation of Pollution Prevention Practices, if required, will be complied with."

A. Printed Name: Ramon Abueg	
B. Signature:	C. Date: 3/10/09
D. Title: Assistant General Manager - Electric Services	

PLEASE SUBMIT THE NOI, FIRST ANNUAL FEE, PLAN AND MAP TO THE FOLLOWING ADDRESS:

UTILITIES NOI
NPDES UNIT
DIVISION OF WATER QUALITY
STATE WATER RESOURCES CONTROL BOARD
P.O. BOX 100
SACRAMENTO, CA 95812-0100

STATE USE ONLY

WDID:	Regional Board Office	Date NOI Received:	Date NOI Processed:
		Fee Amount Received: $	Check #:

N. O. I.

GWP - FIRST ANNUAL FEE

DEMAND# 432441 - $1,452.00

for

N.P.D.E.S PERMIT CAG9900002

CITY OF GLENDALE

BANK OF AMERICA
345 N. Brand Boulevard
Glendale, CA 91203
16-66/1220

432441

141 N. Glendale Avenue
Glendale, CA 91206-4998
(818) 548-3907

Date 3/10/2009

Pay **$1,452.00*****

VOID AFTER 90 DAYS

Pay ****ONE THOUSAND FOUR HUNDRED FIFTY-TWO AND XX / 100 DOLLAR****

To The Order Of **********
STATE WATER RESOURCES CONTROL BOARD*****
ATTN: MS TRINH PHAM
1001 I STREET
15TH FLOOR
SACRAMENTO, CA 95814-2828

Robert Elliott
Director of Finance

City Treasurer

⑈432441⑈ ⑆122000661⑆ 01627-80210⑈

RUB OR BREATHE ON THE PINK LOCK & KEY ICONS—COLOR WILL FADE AND THEN REAPPEAR ON AN AUTHENTIC CHECK—IF COLOR DOES NOT FADE DO NOT ACCEPT

Demand Date: 3/10/2009 CITY OF GLENDALE, CALIFORNIA Demand No. 432441

Invoice Number	Invoice Date	Voucher ID	Gross Amount	Discount Available	Paid Amount
NPDES PERMIT FEE CAG990002	03/02/2009	00938948	1,452.00	0.00	1,452.00

Vendor Number	Name				TIN
149559	STATE WATER RESOURCES CONTROL BOARD				
Demand Number	Date				Total Paid Amount
432441	3/10/2009				$1,452.00

CASE STUDY AND SAMPLING PLAN WITH ANALYTICAL RESULTS

FOR

NOTICE OF INTENT APPLICATION

FOR

NPDES PERMIT CAG9900002 REQUIREMENTS

ATTACHMENT D

Plan for Collecting and Testing Water Samples from Electrical Underground Substructures:

I. Background

In September of 2000, the Electrical Services Section notified the Division of Water Quality of State Resources Control Board indicating its intent of getting coverage under the Municipal Permit, NPDES No. CAS614007 (see Attachment A). The goal is to simplify compliance to the permits regulating water discharges into the municipal storm drain. To comply with the Municipal permit also requires the Electrical Section to comply with the State NPDES Permit No. GAG990002, WQ Order No. 96-12 DWQ, the General Permit for all utility companies which regulates discharge to waters of United States resulting from operation or maintenance activities.

Utilities wishing to be covered under the State General Permit must develop a representative sampling and analysis program to be used as case studies to represent the typical types of discharges occurring within the service area. This case study will be used to provide reasonable assurance that the discharges will comply with the requirements of the General Permit.

This report describes the sampling plan for the Electrical Services Section of Glendale Water & Power to comply with the State General Permit.

II. Sampling Plan

There are two types of sampling required in the State General Permit. First, the utility is required to conduct a case study which involves collecting up to five (5) samples for <u>one year,</u> of different types of discharges from the utility's substructures. The samples need to be analyzed for the following chemicals:

1. Total Petroleum Hydrocarbons (TPH)
2. Total Suspended Solid (TSS)
3. Oil & Grease
4. pH

The analytical results must be submitted to the Public Works/Regional Board as part of the annual report. The report must also include the following:

1. A list of typical types of discharges that occur in the project area.
2. A rationale for the selection of sampling locations.
3. A description of the sampling methods, locations and frequency of monitoring for each type of discharge.
4. A map 8 ½ by 11" showing the locations of the samples taken for the case studies with respect to the distribution system.

Attachment B shows the sampling plan for the one-year sampling (case study) showing the possible locations frequency and information required when sampling. The result of the study (Attachment C), must be submitted to the Regional Board with a copy. Submitted to Public Works-Engineering. Records and results must be kept for 5 years.

The second type of sampling is the annual sampling which consists of collecting samples from the same locations indicated in Attachment B but with fewer chemicals required. The annual sampling will require testing for:

1. Total Petroleum Hydrocarbon (TPH)
2. Oil & Grease

Attachment D shows the frequency and tests required for annual sampling. This report will be submitted as part of the annual reporting to Public Works and the Regional Board.

N.P.D.E.S.
Test Requirements

The Annual sampling for N.P.D.E.S. permit compliance will consist of collecting samples from the same designated locations every year. The water in these locations will be tested for:

1. Total Petroleum Hydrocarbons (TPH)
2. Oil & Grease

LOCATIONS:

1 - V-609 St Elizabeth Rd. N/S 3rd vault W/o Figueroa St.

2 - V-772 Sheridan Rd. S/S 5th vault E/O Belleau Rd.

3 - V-371 Sleepy Hollow Tr. E/S 1st vault N/O Sleepy Hollow Dr.

4 - Customer Pad #4008E Central Av. & Stocker St.

Trained GWP Electrical personnel will collect the samples* at each site.

*Contact **DEBBIE FRANKS** at MWH Laboratories (626) 386-1149 to schedule the delivery of the Collection Sample kits.

Electrical Services - Vault Sampling for NPDES Permit No. CAG990002
Sampling Results from 5/11/2004 - 12/6/2004

Sampling Location	Vault No.	Date Collected	pH	TPH (ug/L)	O & Grease (mg/L)	Total Suspended Solids (TSS) (mg/L)
EPA Method No.				*	1664A	160.2
DLR				50 ug/l	5 mg/L	5 mg/L
Site 1						
3611 St. Elizabeth	609	5/11/2004	7.0	ND	ND	400
3611 St. Elizabeth	609	6/16/04	7.7	ND	ND	ND
3611 St. Elizabeth	609	7/29/04	7.8	55	ND	225
3611 St. Elizabeth	609	10/5/04	7.9	ND	ND	ND
3611 St. Elizabeth	609	11/1/04	7.8	ND	ND	350
3611 St. Elizabeth	609	12/6/04	7.8	ND	6	115
TOTAL			46	55	6	1090
AVERAGE			**7.7**	**9.2**	**1.0**	**182**
Site 3						
1666 Sheridan Road	772	5/11/2004	7.5	ND	ND	50
1666 Sheridan Road	772	6/16/04	7.5	ND	ND	ND
1666 Sheridan Road	772	NA	NA	NA	NA	NA
1666 Sheridan Road	772	10/5/04	7.7	ND	ND	ND
1666 Sheridan Road	772	11/1/04	7.8	ND	ND	20
1666 Sheridan Road	772	12/6/04	7.6	ND	ND	14
TOTAL			38	0	0	84
AVERAGE			**7.6**	**0**	**0**	**16.8**
Site 4						
Sleepy Hollow Place	371	5/11/2004	7.0	ND	ND	80
Sleepy Hollow Place	371	6/16/04	7.3	ND	ND	ND
Sleepy Hollow Place	371	7/29/04	7.3	ND	ND	ND
Sleepy Hollow Place	371	10/5/04	7.8	ND	ND	ND
Sleepy Hollow Place	371	11/1/04	7.2	ND	ND	ND
Sleepy Hollow Place	371	12/6/04	7.6	ND	ND	ND
TOTAL			44	0	0	80
AVERAGE			**7.4**	**0**	**0**	**13.3**
Site 7						
Central & Stocker	Cust. Pad	5/11/2004	8.2	ND	ND	26
Central & Stocker	Cust. Pad	NA	NA	NA	NA	NA
Central & Stocker	Cust. Pad	7/29/04	5.6	ND	ND	ND
Central & Stocker	Cust. Pad	10/5/04	6.6	ND	ND	ND
Central & Stocker	Cust. Pad	11/1/04	7.1	ND	ND	5
Central & Stocker	Cust. Pad	12/6/04	7.3	ND	ND	ND
TOTAL			35	0	0	31
AVERAGE			**7.0**	**0**	**0**	**6.2**

MS/vaultsampingsummary510_12062004

* - Analytical Methods certified by Department of Health Services Environmental LaboratoryAccreditation Program
DLR - Detectable Level for Reporting

Electrical Services - Vault Sampling for NPDES Permit No. CAG990002
Annual Sampling Results from 5/11/2005

Sampling Location	Vault No.	Date Collected	Water Level	TPH (ug/L)	O & Grease (mg/L)
EPA Method No.				*	1664A
DLR				50 ug/l	5 mg/L
Site 1					
3611 St. Elizabeth	609	5/11/2005	4 ft.	ND	ND
3611 St. Elizabeth	609				
3611 St. Elizabeth	609				
3611 St. Elizabeth	609				
3611 St. Elizabeth	609				
3611 St. Elizabeth	609				
TOTAL					
AVERAGE					
Site 3					
1666 Sheridan Road	772	5/11/2005	6 inches	ND	ND
1666 Sheridan Road	772				
1666 Sheridan Road	772				
1666 Sheridan Road	772				
1666 Sheridan Road	772				
1666 Sheridan Road	772				
TOTAL					
AVERAGE					
Site 4					
Sleepy Hollow Place	371	5/11/2005	4 ft.	ND	ND
Sleepy Hollow Place	371				
Sleepy Hollow Place	371				
Sleepy Hollow Place	371				
Sleepy Hollow Place	371				
Sleepy Hollow Place	371				
TOTAL					
AVERAGE					
Site 7					
Central & Stocker	Cust. Pad	5/11/2005	3 ft.	ND	ND
Central & Stocker	Cust. Pad				
Central & Stocker	Cust. Pad				
Central & Stocker	Cust. Pad				
Central & Stocker	Cust. Pad				
Central & Stocker	Cust. Pad				
TOTAL					
AVERAGE					

MS/vaultsampingsummary51105

* - Analytical Methods certified by Department of Health Services Environmental LaboratoryAccreditation Program
DLR - Detectable Level for Reporting

LIST OF

G.W.P. ELECTRIC CONTACT

PERSONS

March 2009

Glendale *Water & Power*

Contact List

Electrical Engineering:

Alternate: E. Richard Germond, P.E.
Principal Electrical Engineer
141 N. Glendale Ave. Suite 420
Glendale, Ca. 91206-4496
(818) 548-2074

Primary: M. Wyatt Jackson
Electrical Mechanic Supervisor II
141 N. Glendale Ave. Suite 420
Glendale, Ca. 91206-4496
(818) 551-4667

Electrical Construction and Operation:

Alternate: Pat Riley
Electrical Superintendent
800 Air Way
Glendale, Ca. 91201
(818) 548-2011

Primary: James Bush
Electrical Operations Supervisor
800 Air Way
Glendale, Ca. 91201
(818) 548-2011

POLLUTION PREVENTION

PLAN

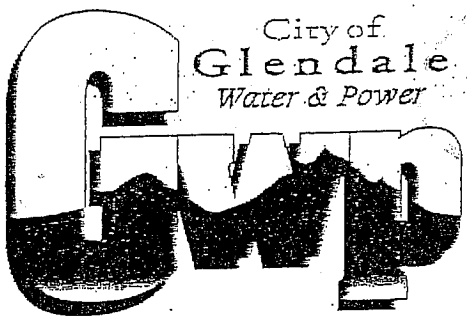
March 2009

ATTACHMENT C

City of Glendale
Water & Power Department

NPDES Storm Water Pollution Prevention Plan

Best Management Practices for Utility Operation and Maintenance Activities and other Construction Activities



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APPROVED FOR SUBMITTAL ON AUGUST 20, 2001 BY:

Ignacio R. Troncoso, Director of Glendale *Water & Power*

Recommended Approval:

Donald R. Froelich
Water Services Administrator

William R. Hall
Electrical Services Administrator

Prepared by:

Miriam C. Sykes
Principal Water Quality Specialist

TABLE OF CONTENTS

III. BEST MANAGEMENT PRACTICES (BMPs)

I. BMPs for Underground Substructure Dewatering (Using Sensory-Screening Techniques)

Background

GWP addresses three categories of underground structures in this chapter: concrete lined conduit trenches, service boxes and vaults. Service boxes have dimensions of 4-feet by 5-feet or less, are prefabricated of a fiberglass compound and have no bottom. The great majority of underground structures are domestic service meter boxes with dimensions of 12 inches by 18 inches.

These underground structures can fill with water due to groundwater intrusion, storm water runoff, a leak from pipes within the structure, or runoff from some domestic activity (e.g., irrigation).

The Los Angeles Department of Water & Power (DWP) conducted a four-month study of water infiltrated power system structures in an attempt to develop a reliable yet easy-to-use field administered "sensory screening technique". This study led to the development of the Sensory Checklist Method (SCM). While the pilot study focused their Energy System applications, it has also been applied to the Water Service Organization's (WSO) contaminated commercial water meter vaults and be applied to the larger WSO vaults and substructures.

The pilot study involved the inspecting of over one hundred underground water-filled substructures using the SCM. Water, which passed the SCM and presumed dischargable, was subject to parallel laboratory water quality analysis. Vaults passing the SCM were then compared with the lab test results to check for consistency and reliability. The results of the study validated the use of the SCM as a dependable, reliable, and easy to use means of detecting the presence of gross pollutants.

The SCM was found to be so effective for the presence of gross pollutants that, in fact, the only class of contaminants regularly present in trace amounts in the sample water that could not be detected by the sensory method was pesticides and herbicides. The presence of pesticides and herbicides cannot be attributed to DWP operations (DWP did not add the pollutant), but rather is the result of "run on" into DWP substructures from storm water infiltration.

III. BEST MANAGEMENT PRACTICES (BMPs)

I. BMPs for Underground Substructure Dewatering (using sensory screening techniques - SCM) (*cont'd.*)

Procedure

An SCM checklist is completed for any partial or full discharge of vault/substructure water to the street/storm drain system. A copy of the SCM and an overview of the checklist follow.

CHECK 1 – Is the water cloudy, discolored and/or have an unusual odor?

This first check identifies substructure conditions that would require it to be contained and formally tested by a chemistry laboratory to determine the proper handling procedures. These conditions include but are not limited to cloudiness, discoloration and odors (sewage, chemicals, solvents, gasoline, etc.)

CHECK 2 – While monitoring the discharge being pumped, is there an occurrence of oil, tar, soil, cloudy discharge and/or unusual odors?

Monitor the discharge while pumping, and enter the required information when appropriate (date pumped, amount pumped, and where it was pumped to [alley, street, etc.]). If any contaminants are detected during discharge, immediately stop pumping. Return to CHECK 1 to reassess the situation. If it is subsequently determined that containment is necessary, an SCM Checklist must still be completed and the line labeled "Storm Drain Discharge Stopped" must be marked. Give a detailed description of the condition that prompted the stopping of the discharge.

Completed SCM Checklists should be kept on file by the discharging facility for one year.

BMPs

The primary BMP we employ is the SCM. DWP's four-month study, referenced above, revealed that hazardous chemicals, solvents, oil, grease, tar, sewage, etc. found in the vault/substructure waters could be easily detected in a sensory manner by inspecting the substructure and the water for the following signs:

- Strong chemical odor for solvents, gasoline, diesel, etc.;
- Rainbow sheens or layers for oil;
- Floating, suspended, and/or sinking materials for debris, tar, etc.;
- Sulfurous (rotten egg) odor for decaying matter, sewage, etc.;
- Color or discoloration for sediment, minerals, heavy metals, etc.

SCM Checklist

Must be completed for every discharge to the street/storm drain system

DATE: _____ VAULT LOCATION: _____

TIME: _____ VAULT SIZE: _____

RECENT RAIN: Yes____ No _____ ESTIMATED WATER DEPTH: _____

CHECK 1. Conditions Requiring Containment of Vault Water

1. Is the vault water cloudy, discolored, and/or has an unusual odor? No ___ Yes ___

   NO. Go on to CHECK 2.

   YES. The vault water must be pumped to containment for formal chemistry laboratory testing to determine proper handling.

CHECK 2. Oil, Tar, and/or Soil

2. Is there any oil, tar or soil particles? No ___ Yes ___

   NO. Go on to CHECK3.

   YES. Can the water be pumped without disturbing the pollutants such that they are not discharged to the street?

   NO. The vault water must be pumped to containment for formal chemistry laboratory testing to determine proper handling.

   YES. Go on to CHECK 3. If needed, the remaining contaminants must be pumped to containment for formal laboratory testing to determine proper handling.

CHECK 3. Pumping Clean Water/Monitoring the Discharge (Form must be completed)

3. While monitoring the discharge begin pumping the vault water to the street/storm drain system. Fill in only the information directly below (date, amount, and destination). If any of the following conditions appear during discharge, immediately stop pumping. Return to CHECK 1 to reassess the situation. If it is determined that containment is necessary, mark "Storm Drain Discharge Stopped" and describe the condition that prompted the stopping of the discharge and the new condition of the vault water itself.

Date pumped _____ Amount (gal.) _____ Discharge destination (alley, etc.) _____

STOP IF: Oil, Tar, Soil, Cloudy Discharge, and/or Unusual Odors Occur

_____ Storm Drain Discharge Stopped

Describe conditions: _____

The information provided is true and correct o the best of my knowledge.

_____ _____

Print Name Signature

SITE MAP

VAULT SAMPLING LOCATIONS

March 2009

City of Glendale Water & Power

GWP

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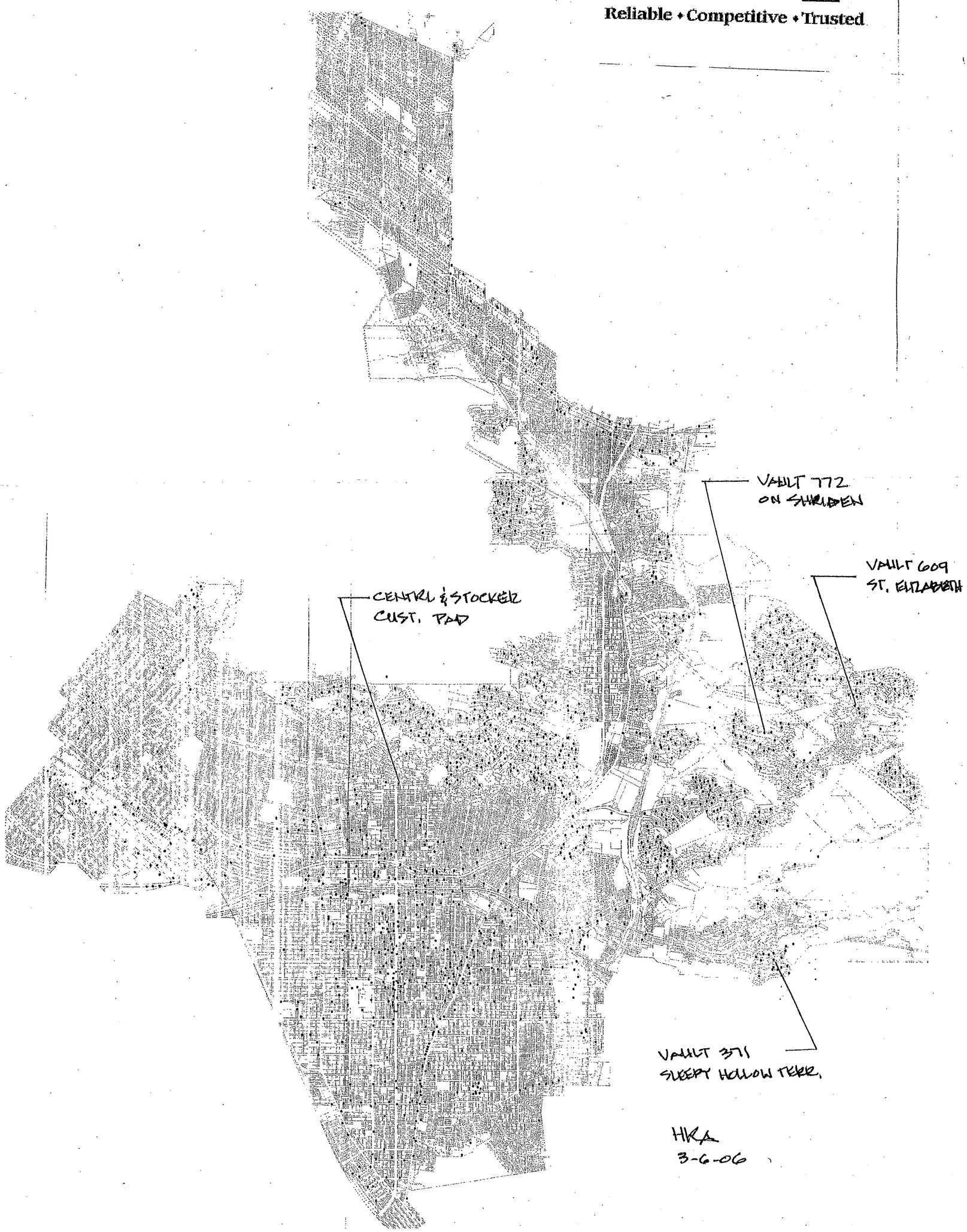

HKA
3-6-06