

APPENDIX A – SOLUTION CHARTS

APPENDIX A – SOLUTION CHARTS

A.1 PREFACE

The solution charts presented in this Section are intended to assist the owner and/or renter of an individual household in the identification of potential solutions to water or wastewater problems experienced by the household. For the charts to be useful, the party associated with the individual household must first establish the problem that needs to be addressed. Additionally, the information provided in this Appendix is specifically designed to address conditions experienced by individual households (private systems) or groups of houses, which together, would consist of no more than 15 connections.

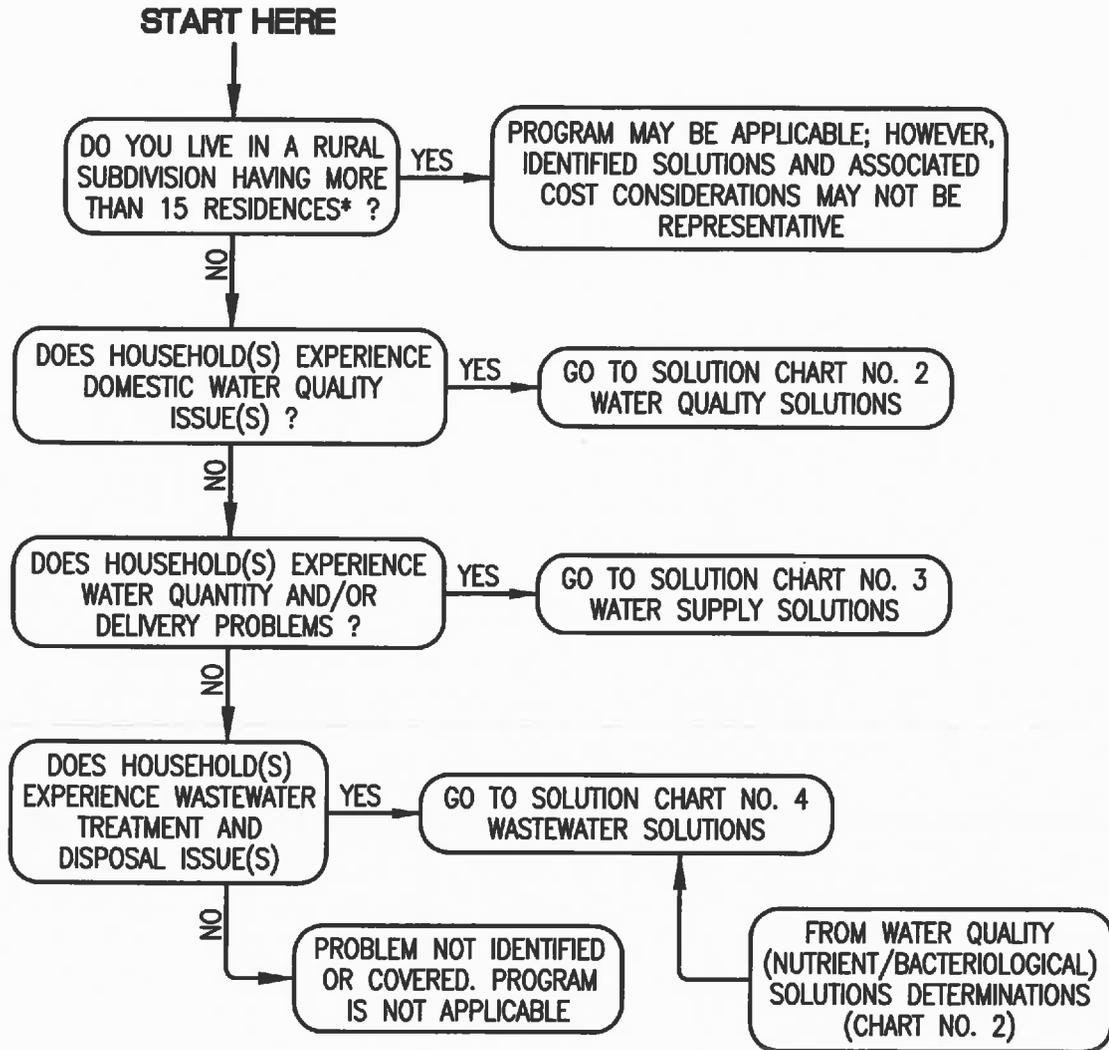
A.2 GENERAL

A series of charts have been prepared to assist a party associated with an individual household in identifying potential solutions to established water or wastewater problems. Each set of charts presents a series of responses to yes/no questions directing the individual to a solution or a set of solutions for consideration. Table 1 summarizes the series of solution charts.

APPENDIX A – SOLUTION CHARTS

TABLE A-1
SUMMARY OF SOLUTION CHARTS
INDIVIDUAL HOUSEHOLD PILOT STUDY

| SOLUTION CHART (SERIES) | DESCRIPTION | PURPOSE |
|-------------------------|---|---|
| 1 | Initial Classification | Use to direct party associated with individual household to solution chart based upon identified water and/or wastewater problems(s). |
| 2 | Water Quality Solutions | Use to direct party associated with individual household to solution charts for addressing water quality problems based upon identified conditions. |
| 2a | Nutrients | Use to establish solutions that address water quality problems associated with nutrients (example: nitrates (NO ₃)). |
| 2b | Bacteriological | Use to establish solutions that address bacteriological water quality problems (examples: fecal coliform and E. coli). |
| 2c | Inorganics | Use to establish solutions that address water quality problems associated with inorganic constituents (examples: arsenic and lead). |
| 2d | Organics | Use to establish solutions that address water quality problems associated with organic constituents |
| 2e | General Water Quality | Use to establish solutions that address general water quality problems with constituents that represent non-specific conditions (examples: conductivity, turbidity and hydrogen sulfide). |
| 3 | Water Quantity/Delivery Solutions | Use to establish solutions that address water quantity and/or delivery problems. |
| 4 | Wastewater Treatment and Disposal Solutions | Use to establish solutions that address wastewater treatment and/or disposal problems. |



*THIS PROGRAM IS SPECIFICALLY DESIGNED FOR INDIVIDUAL HOUSEHOLDS OR GROUPS OF HOUSEHOLDS CONSISTING OF 15 RESIDENCES OR LESS

SOLUTION CHART NO. 1 - INITIAL CLASSIFICATION
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

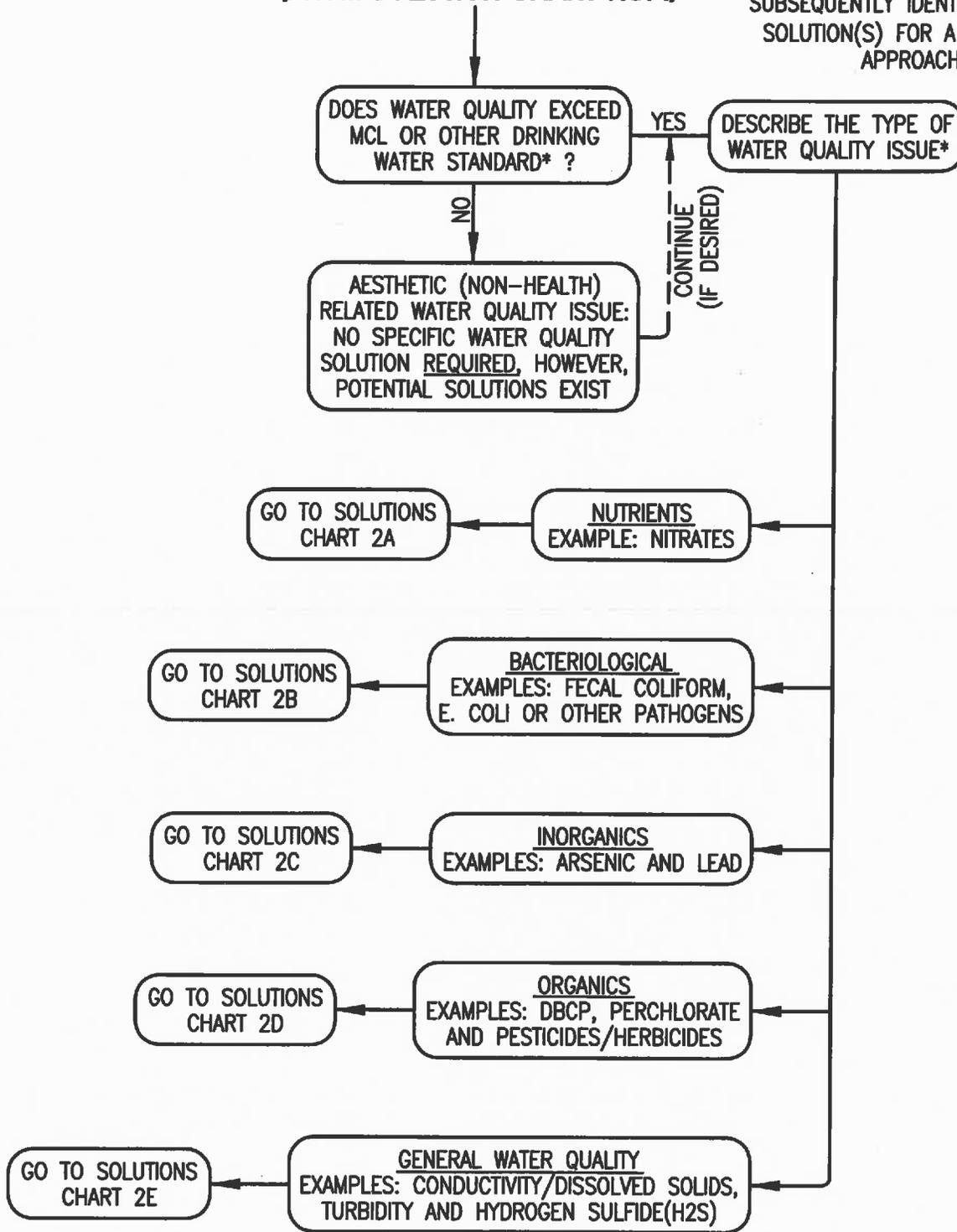
APPENDIX A – SOLUTION CHARTS

SOLUTION CHART SERIES 2 – WATER QUALITY SOLUTIONS

This solution chart is specifically prepared to identify and direct the user to the appropriate water quality solution chart.

**WATER QUALITY
PROBLEM CLASSIFICATION
(FROM SOLUTION CHART NO. 1)**

*FOR MULTIPLE WATER QUALITY ISSUES,
IDENTIFY SOLUTION(S) SEPARATELY.
SUBSEQUENTLY IDENTIFY COMMON
SOLUTION(S) FOR A COMBINED
APPROACH.



**SOLUTION CHART NO. 2 - WATER QUALITY SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY**

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

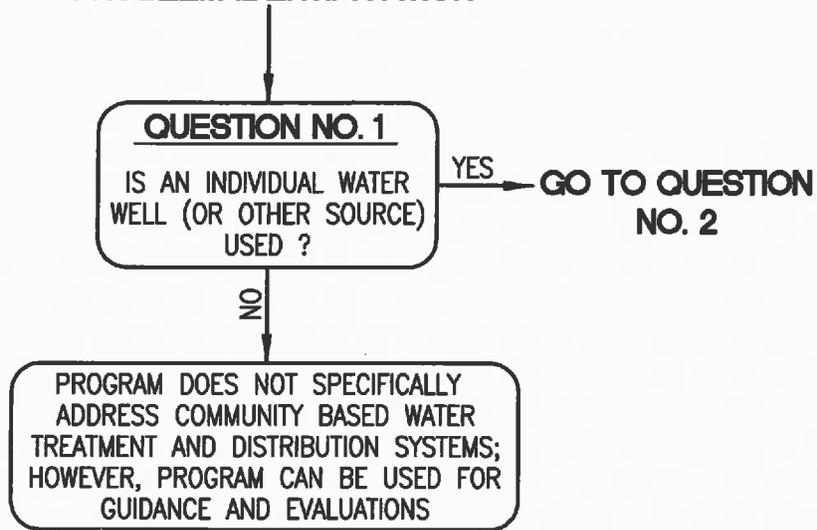
APPENDIX A – SOLUTION CHARTS

SOLUTION CHART SERIES 2A – NUTRIENTS

This series of solution charts is specifically prepared to address water quality problem solutions associated with nutrients (e.g. nitrates).

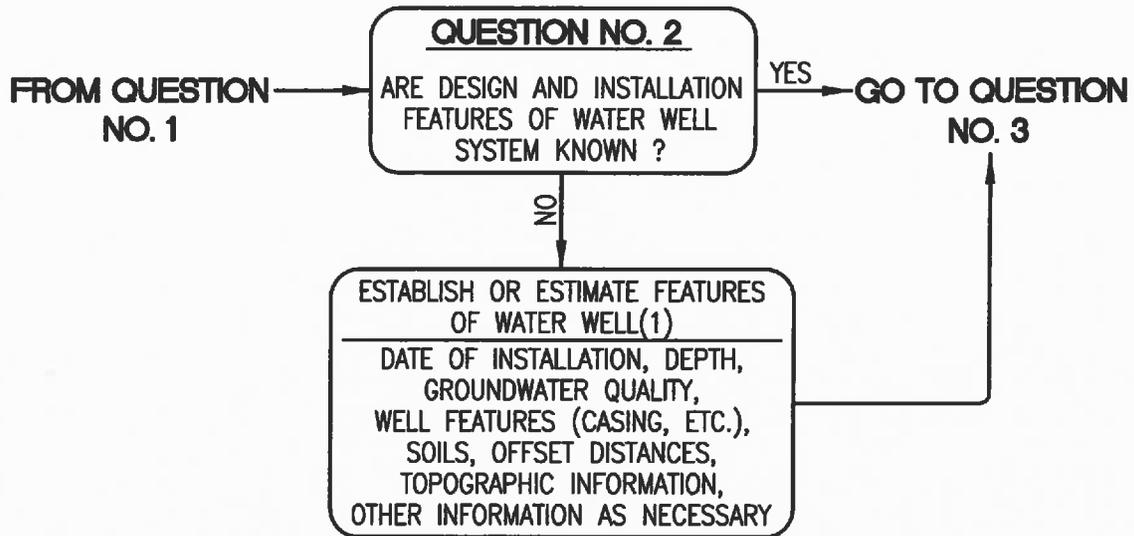
The solution sets referenced in the charts can be found in Appendix B – Solution Sets.

**WATER QUALITY
PROBLEM IDENTIFICATION**



QUESTION NO. 1

SOLUTION SERIES NO. 2A - WATER QUALITY SOLUTIONS - NUTRIENTS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

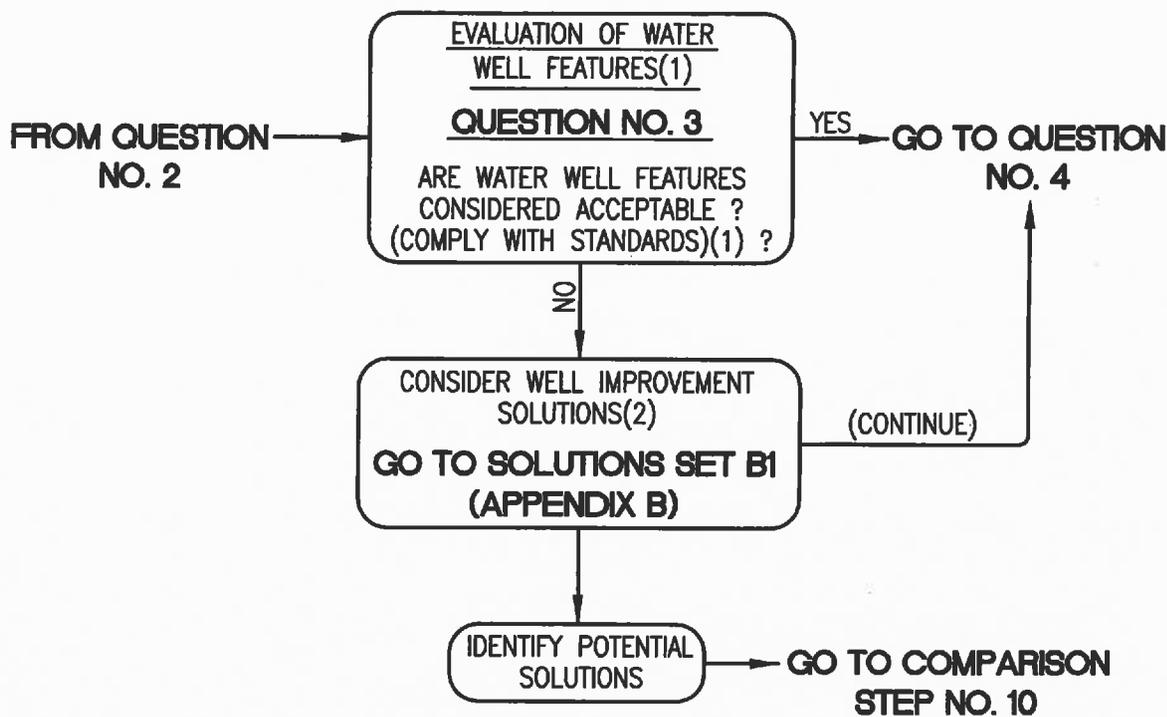


NOTE:

1. EVALUATION SHOULD BE CONDUCTED BY INDIVIDUAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.

QUESTION NO. 2

SOLUTION SERIES NO. 2A - WATER QUALITY SOLUTIONS - NUTRIENTS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

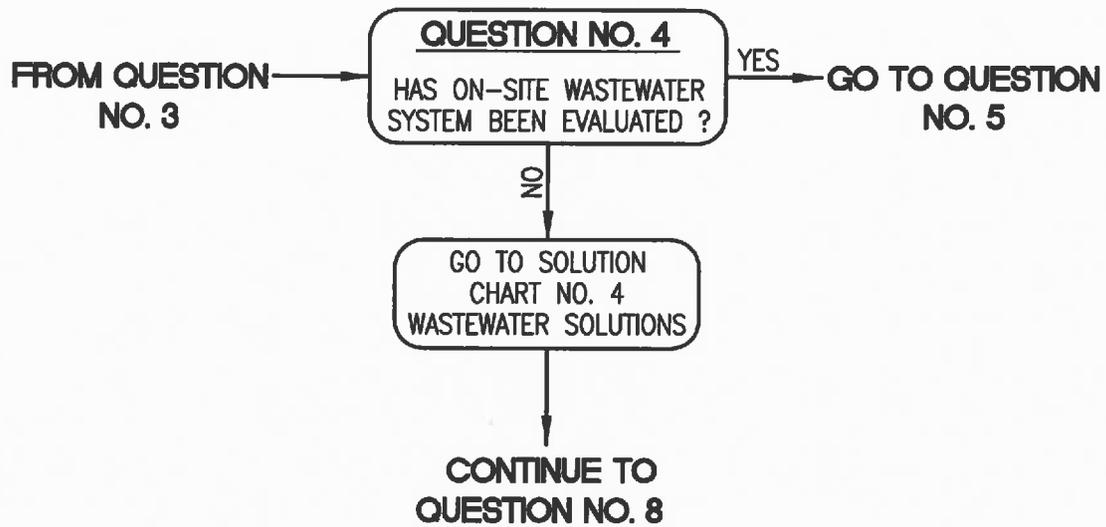


NOTES:

1. EVALUATION SHOULD BE CONDUCTED BY PROFESSIONAL WITH EXPERIENCE IN WATER WELL DESIGN, INSTALLATION AND REGULATORY REQUIREMENTS.
2. SOLUTIONS SHOULD BE EVALUATED AND ESTABLISHED BY PERSON(S) EXPERIENCED IN DRINKING WATER TREATMENT. EXAMPLES: DRINKING WATER TREATMENT CONSULTANTS, HEALTH DEPARTMENT REPRESENTATIVES AND WATER TREATMENT EQUIPMENT MANUFACTURERS.

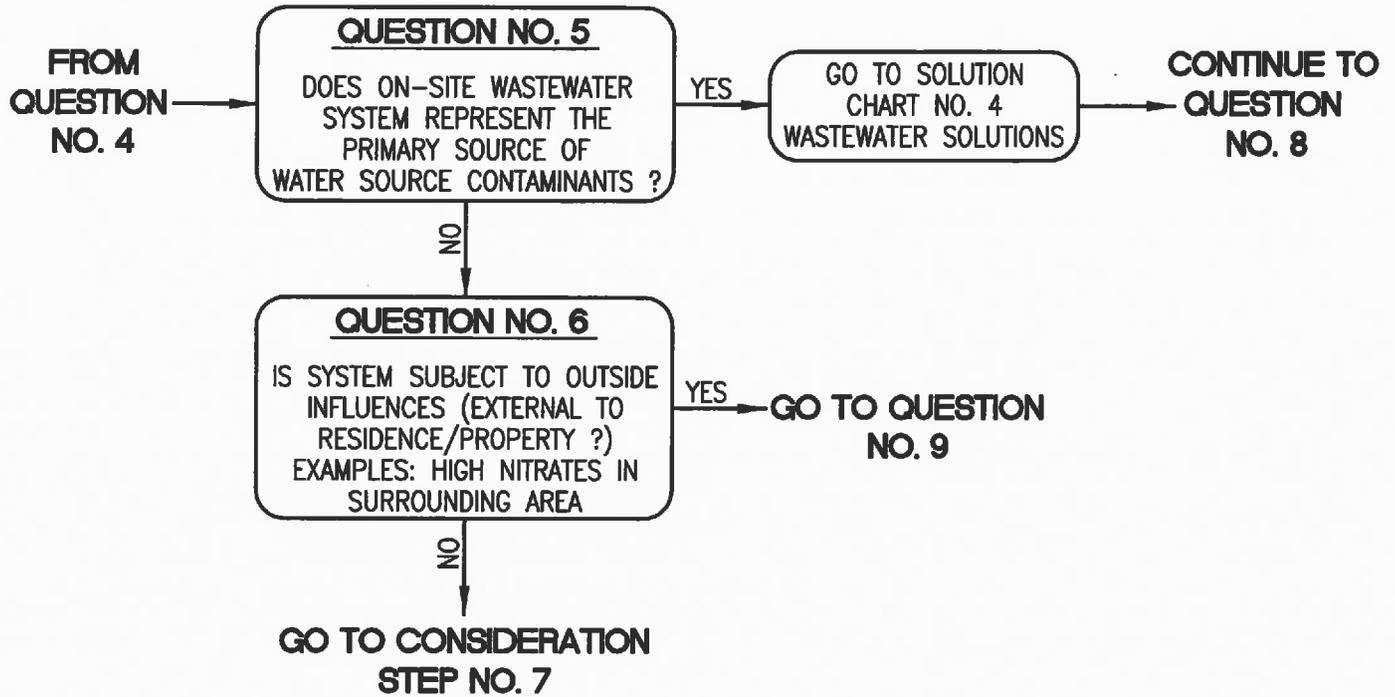
QUESTION NO. 3

**SOLUTION SERIES NO. 2A - WATER QUALITY SOLUTIONS - NUTRIENTS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY**



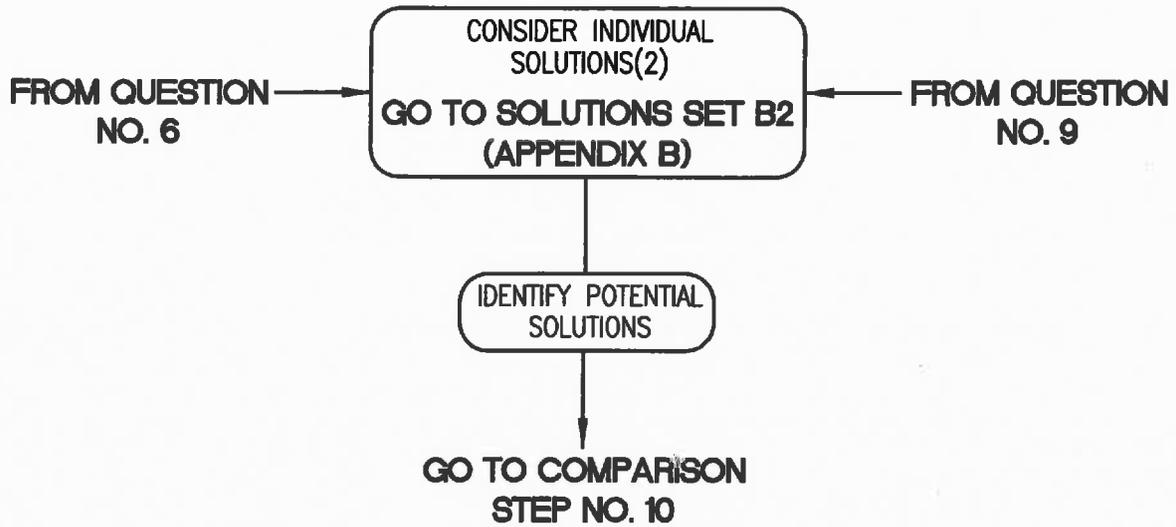
QUESTION NO. 4

SOLUTION SERIES NO. 2A - WATER QUALITY SOLUTIONS - NUTRIENTS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



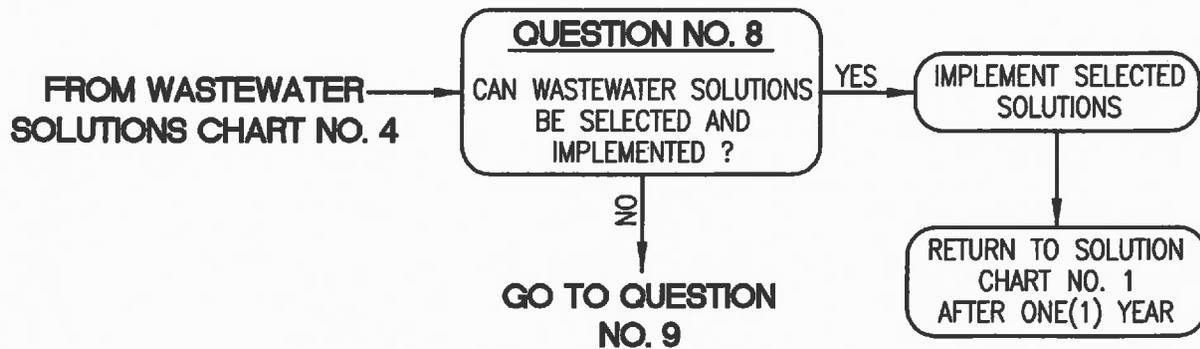
QUESTIONS NO. 5 AND NO. 6

SOLUTION SERIES NO. 2A - WATER QUALITY SOLUTIONS - NUTRIENTS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



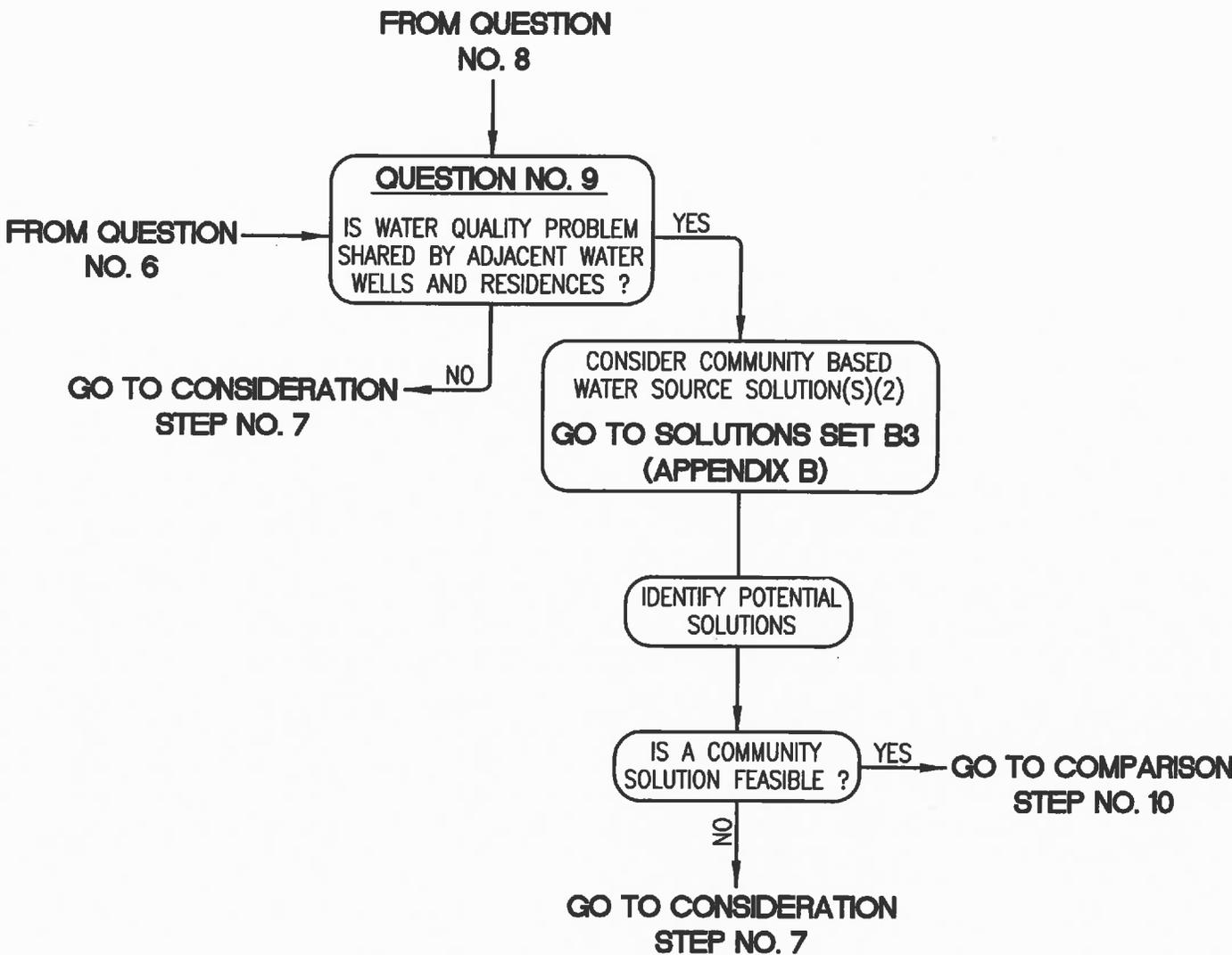
CONSIDERATION STEP NO. 7

SOLUTION SERIES NO. 2A - WATER QUALITY SOLUTIONS - NUTRIENTS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



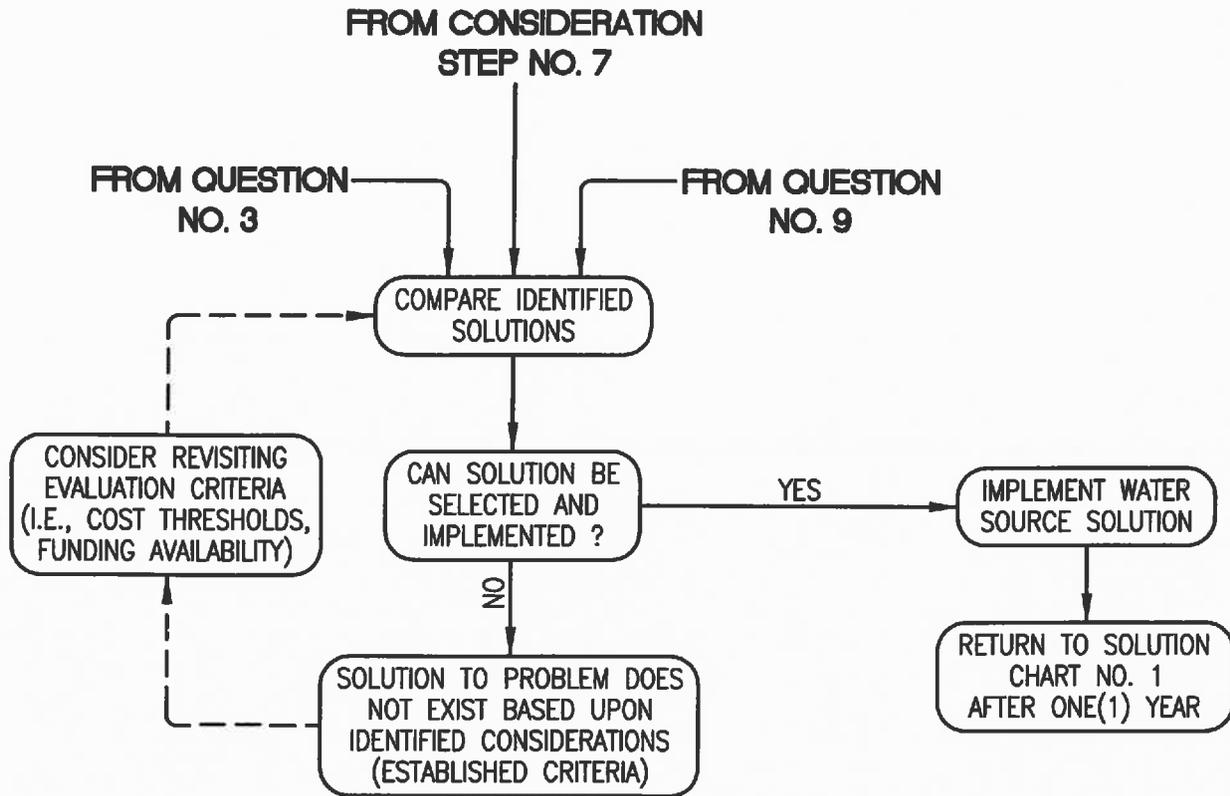
QUESTION NO. 8

SOLUTION SERIES NO. 2A - WATER QUALITY SOLUTIONS - NUTRIENTS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 9

SOLUTION SERIES NO. 2A - WATER QUALITY SOLUTIONS - NUTRIENTS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



COMPARISON STEP NO. 10

SOLUTION SERIES NO. 2A - WATER QUALITY SOLUTIONS - NUTRIENTS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

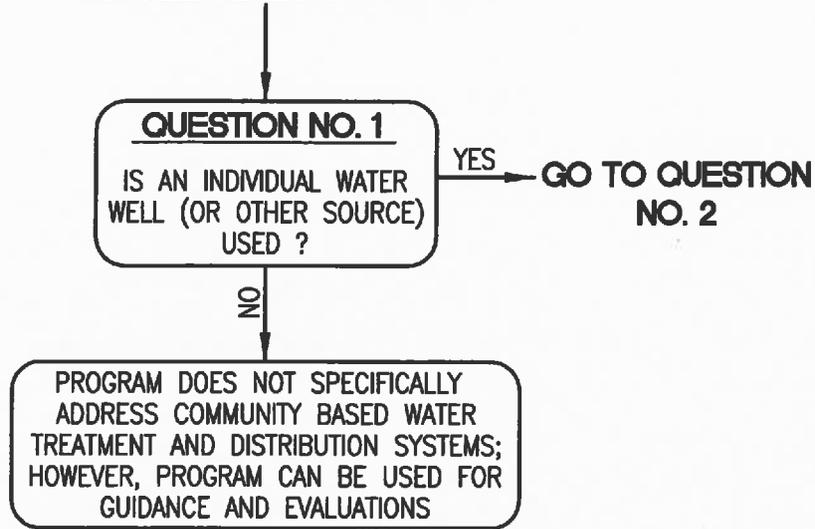
APPENDIX A – SOLUTION CHARTS

SOLUTION CHART SERIES 2B – BACTERIOLOGICAL

This series of solution charts is specifically prepared to address water quality problems associated with bacteriological contaminants (e.g. Fecal Coliform, E. Coli or cysts).

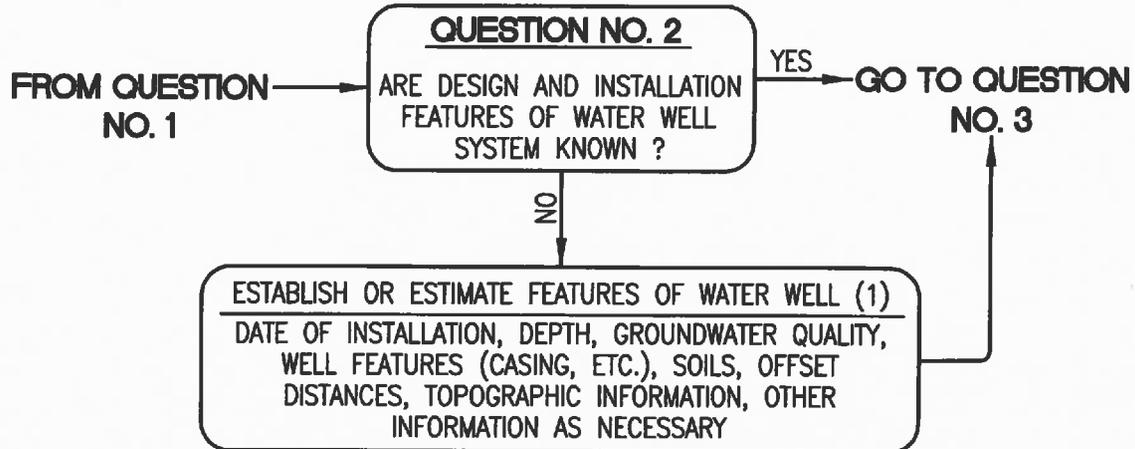
The solution sets referenced in the charts can be found in Appendix B – Solution Sets.

**WATER QUALITY
PROBLEM IDENTIFICATION**



QUESTION NO. 1

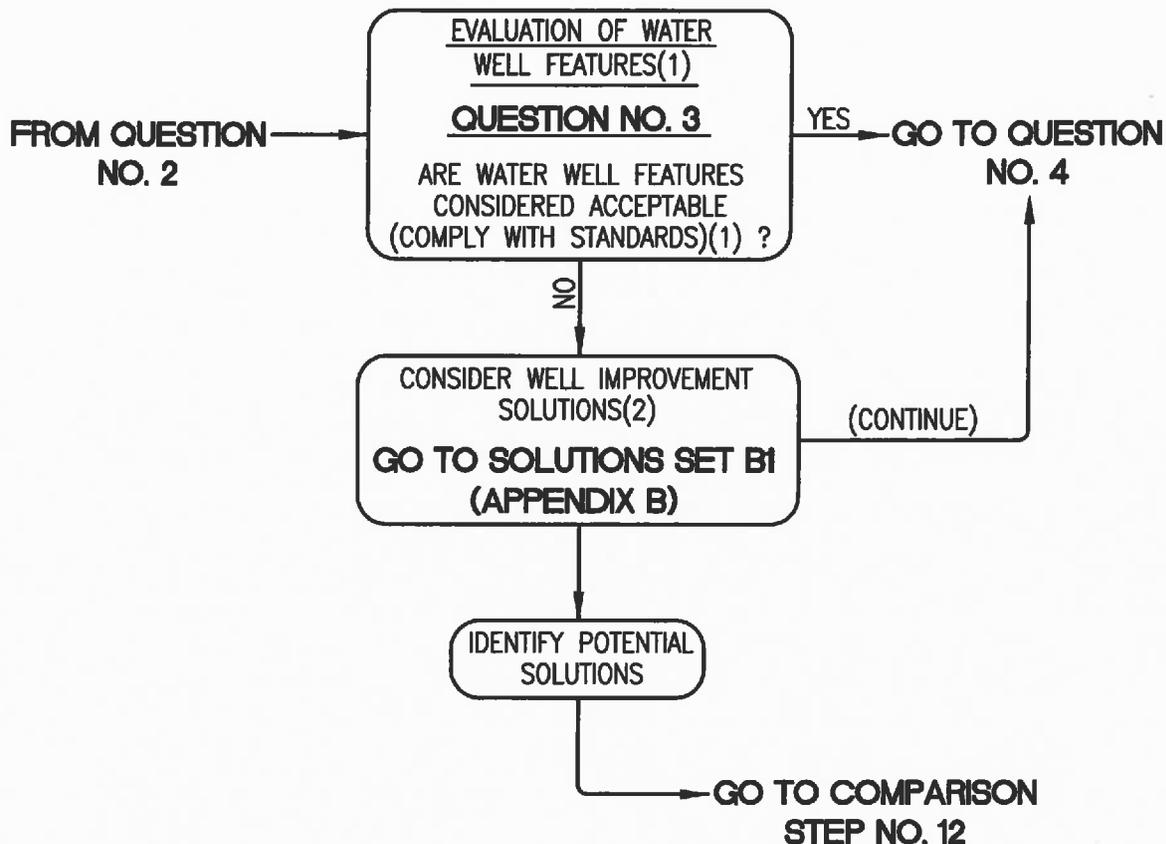
SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

**NOTE:**

1. EVALUATION SHOULD BE CONDUCTED BY INDIVIDUAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.

QUESTION NO. 2

SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

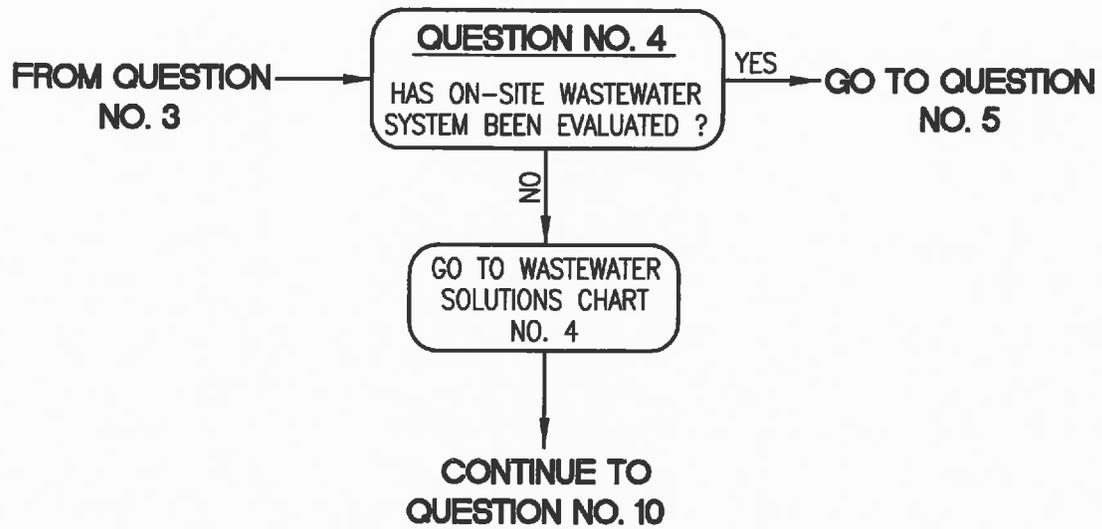


NOTES:

1. EVALUATION SHOULD BE CONDUCTED BY PROFESSIONAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.
2. SOLUTIONS SHOULD BE EVALUATED AND ESTABLISHED BY PERSON(S) EXPERIENCED IN DRINKING WATER TREATMENT. EXAMPLES: DRINKING WATER TREATMENT CONSULTANTS, HEALTH DEPARTMENT REPRESENTATIVES AND WATER TREATMENT EQUIPMENT MANUFACTURERS.

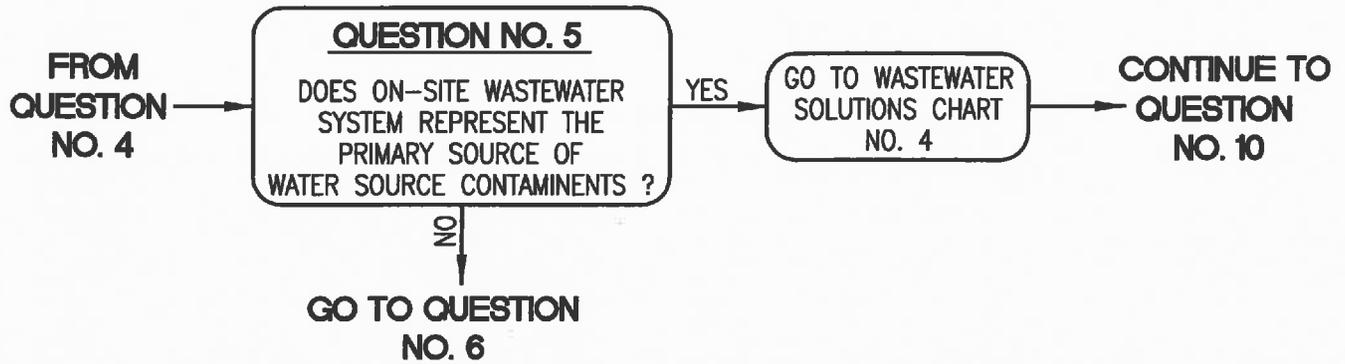
QUESTION NO. 3

**SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY**



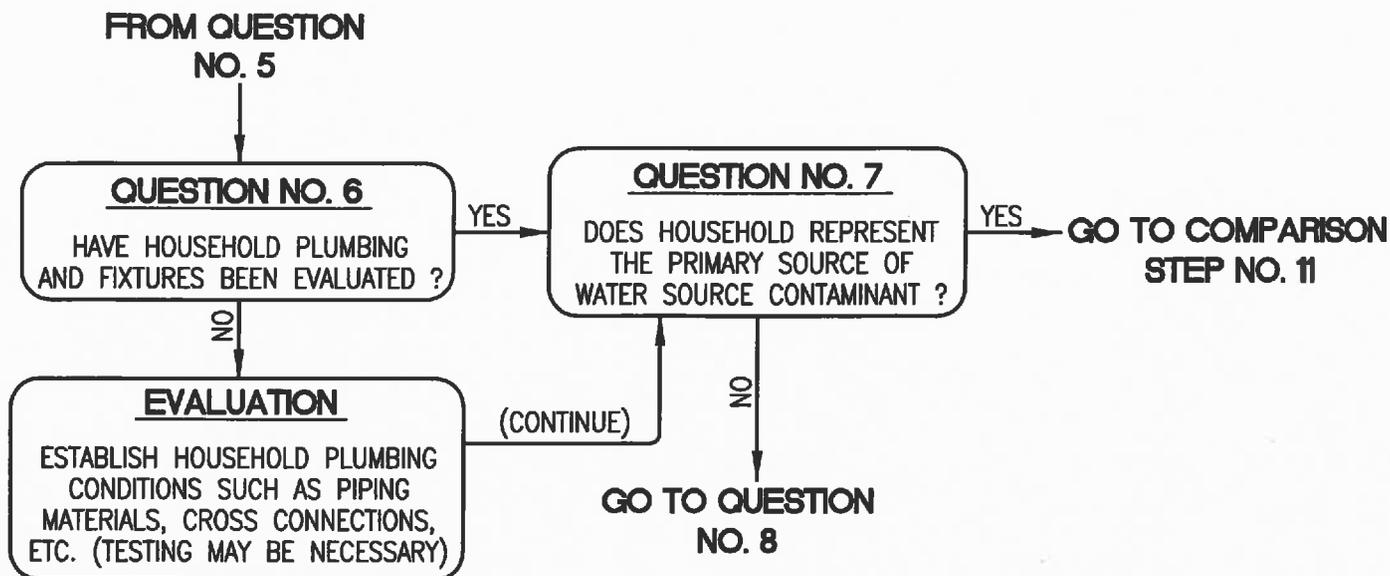
QUESTION NO. 4

SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 5

SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTIONS NO. 6 AND NO. 7

SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

FROM QUESTION
NO. 7

QUESTION NO. 8
IS SYSTEM SUBJECT TO OUTSIDE INFLUENCES
(EXTERNAL TO RESIDENCE/PROPERTY ?)
EXAMPLES: HIGH COLIFORM IN SURROUNDING
GROUNDWATER

YES → **GO TO QUESTION
NO. 9**

NO

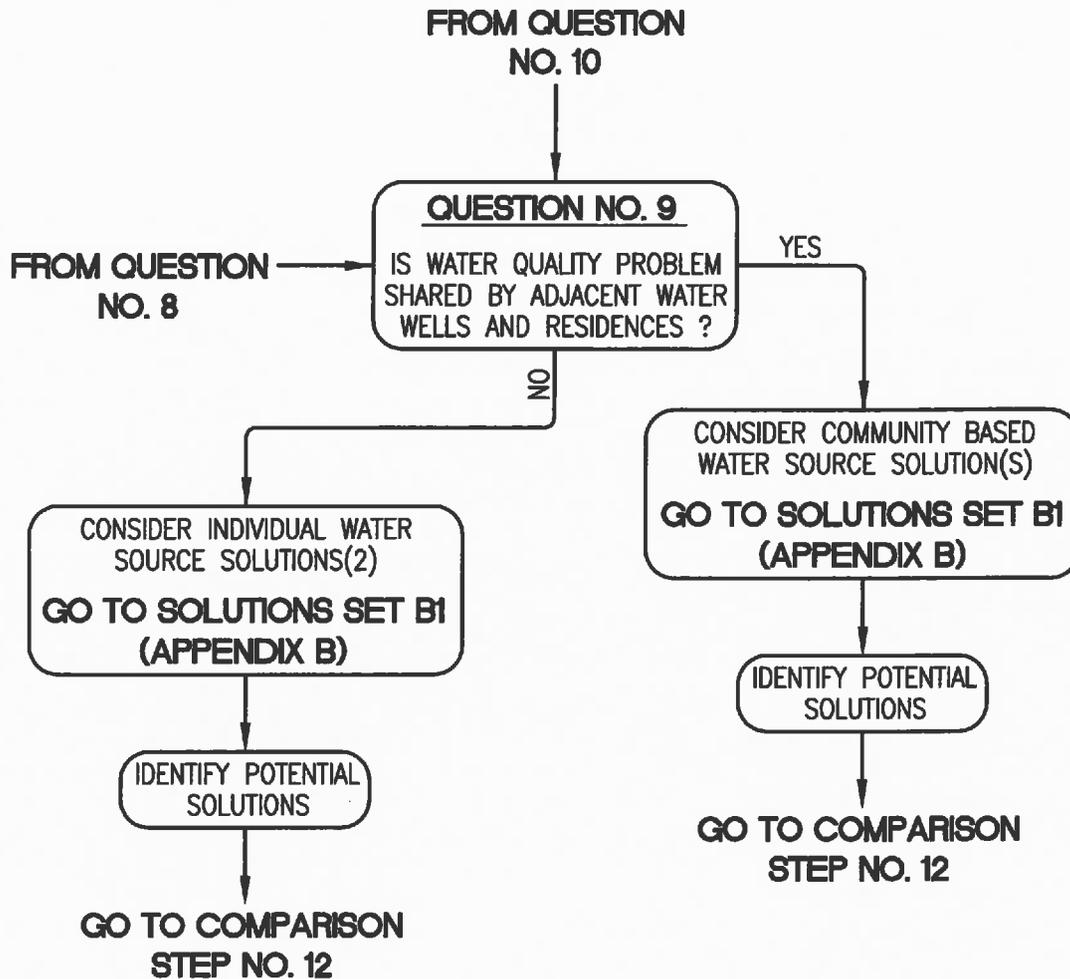
CONSIDER INDIVIDUAL
WATER SOURCE SOLUTIONS(2)
**GO TO SOLUTIONS SET B1
(APPENDIX B)**

IDENTIFY POTENTIAL
SOLUTIONS

**GO TO COMPARISON
STEP NO. 12**

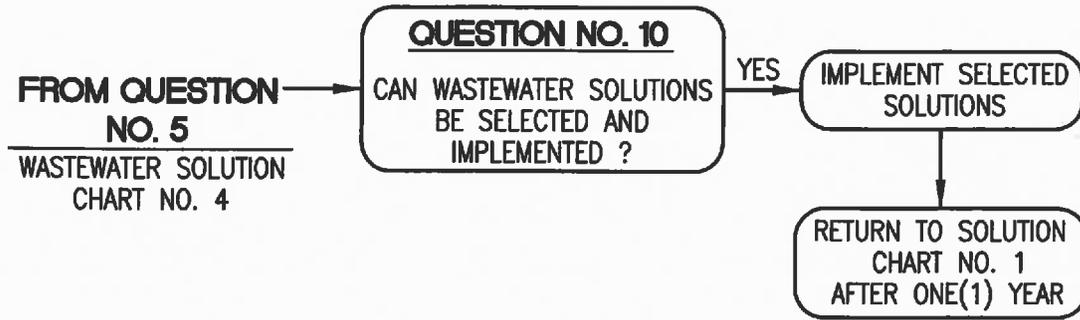
QUESTION NO. 8

SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 9

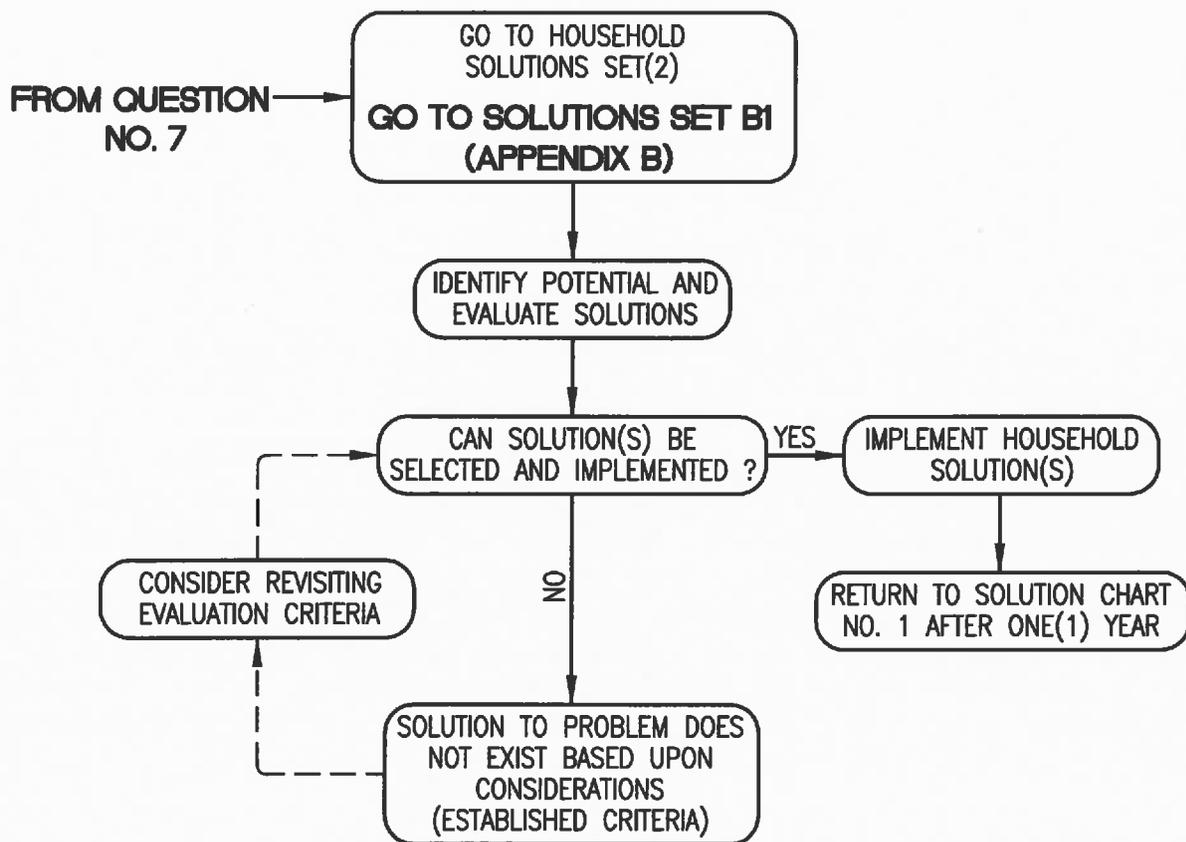
SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 10

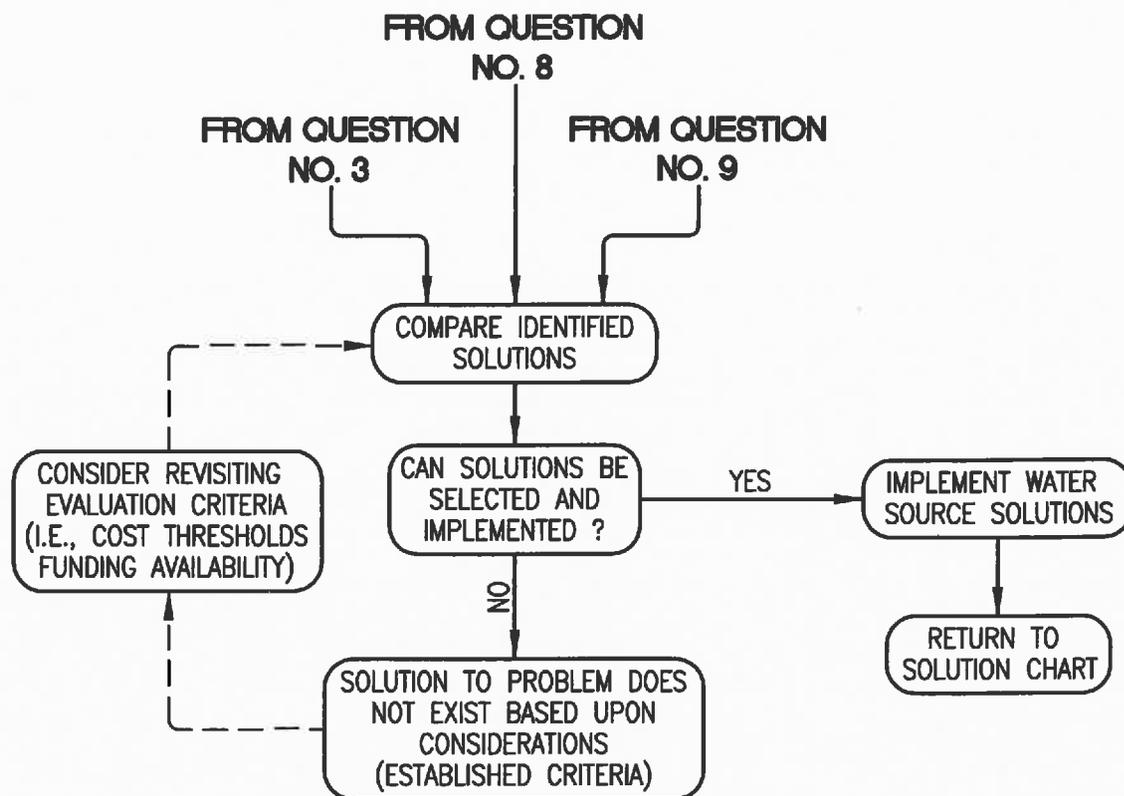
SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

L:\TDCDC\10\ BACTERIOLOGICAL - SOLUTION CHART 2B.Dwg



COMPARISON STEP NO. 11

SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



COMPARISON STEP NO. 12

SOLUTION CHART NO. 2B - WATER QUALITY SOLUTIONS - BACTERIOLOGICAL
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

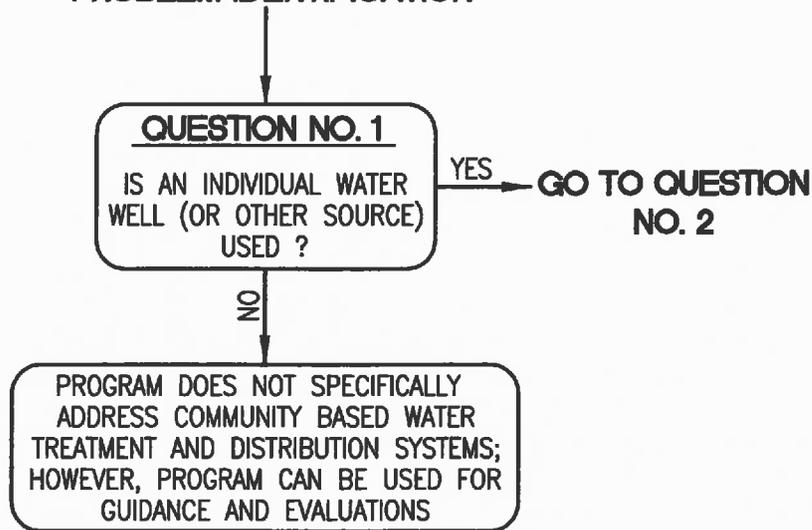
APPENDIX A – SOLUTION CHARTS

SOLUTION CHART SERIES 2C – INORGANIC

This series of solution charts is specifically prepared to address water quality problems associated with inorganic constituents (e.g. arsenic, copper, lead or chromium).

The solution sets referenced in the charts can be found in Appendix B – Solution Sets.

**WATER QUALITY
PROBLEM IDENTIFICATION**

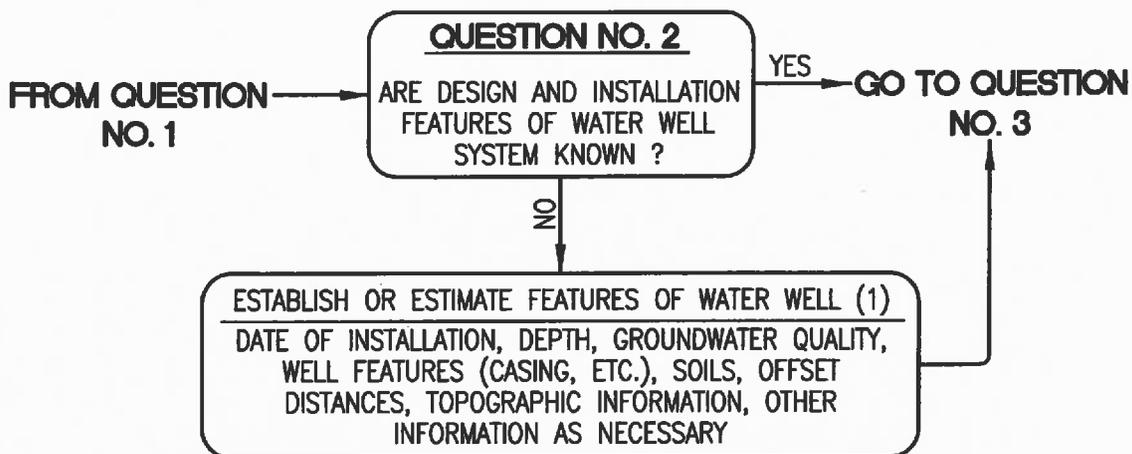


QUESTION NO. 1

SOLUTION SERIES NO. 2C - WATER QUALITY SOLUTIONS - INORGANICS

INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

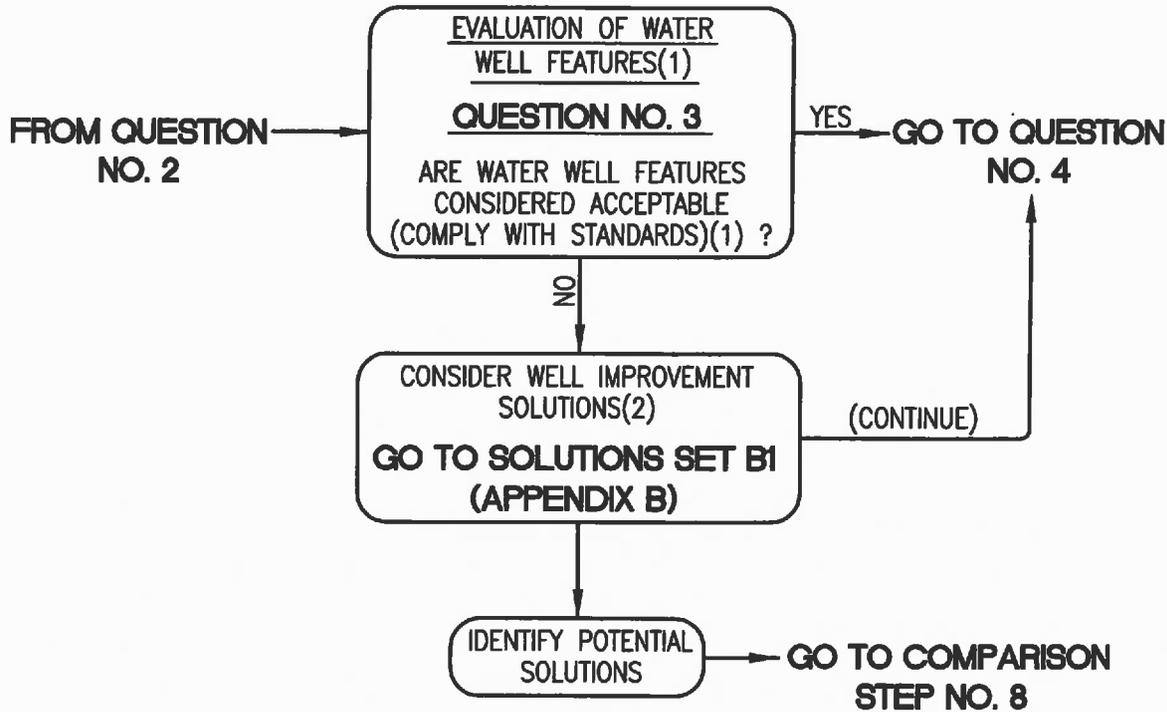


NOTE:

1. EVALUATION SHOULD BE CONDUCTED BY INDIVIDUAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.

QUESTION NO. 2

SOLUTION SERIES NO. 2C - WATER QUALITY SOLUTIONS - INORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



NOTES:

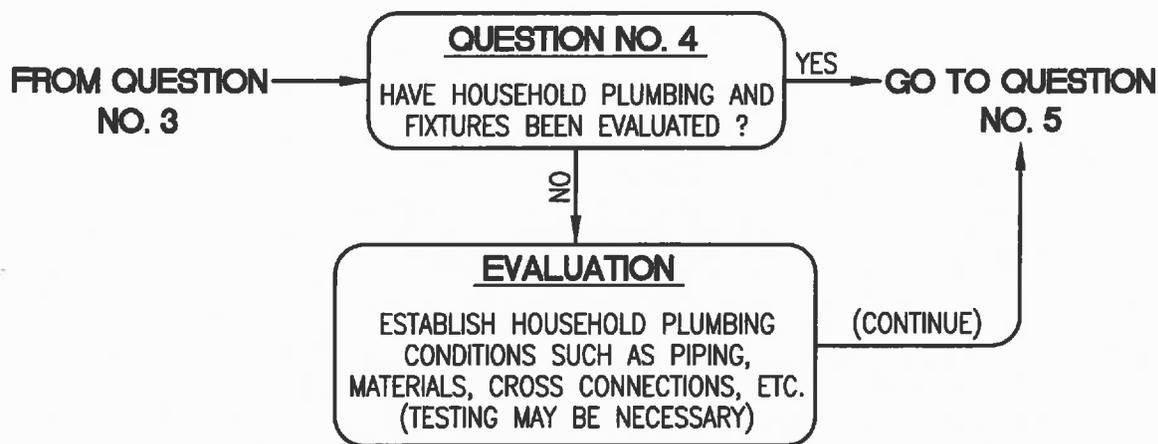
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QUESTION NO. 3

SOLUTION SERIES NO. 2C - WATER QUALITY SOLUTIONS - INORGANICS

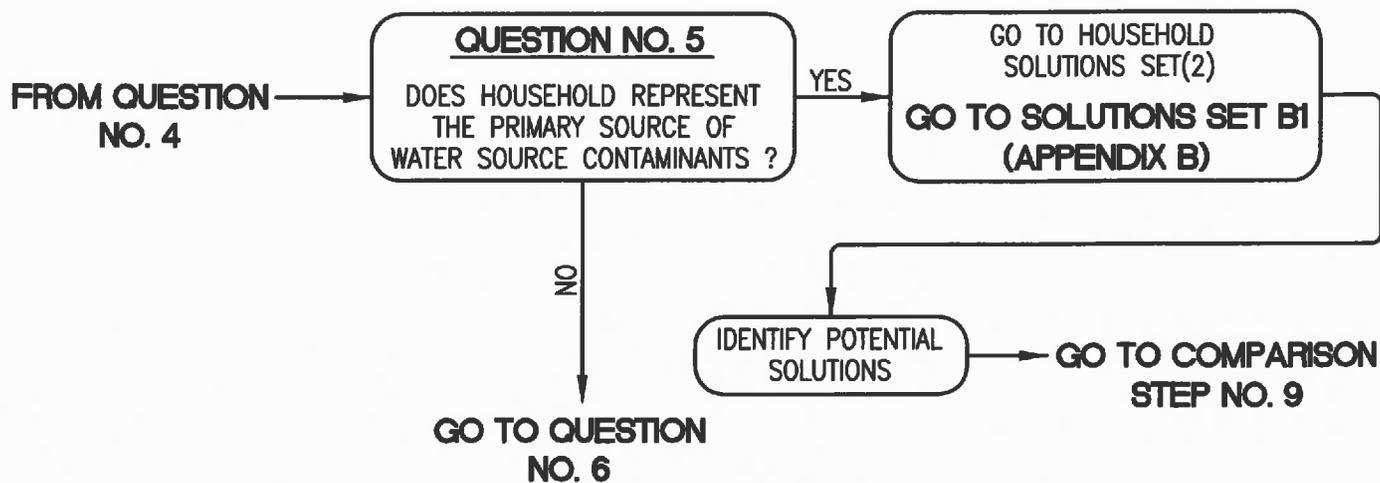
INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 4

SOLUTION SERIES NO. 2C - WATER QUALITY SOLUTIONS -INORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

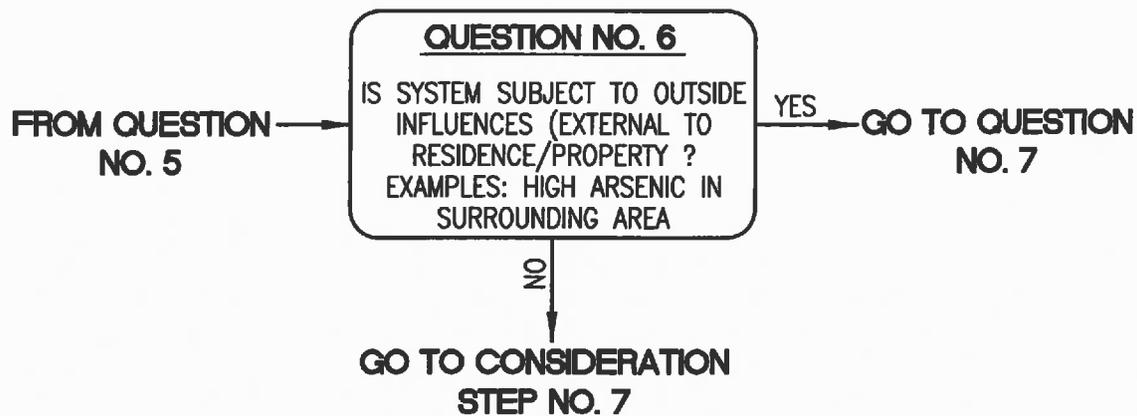


QUESTION NO. 5

SOLUTION SERIES NO. 2C - WATER QUALITY SOLUTIONS - INORGANICS

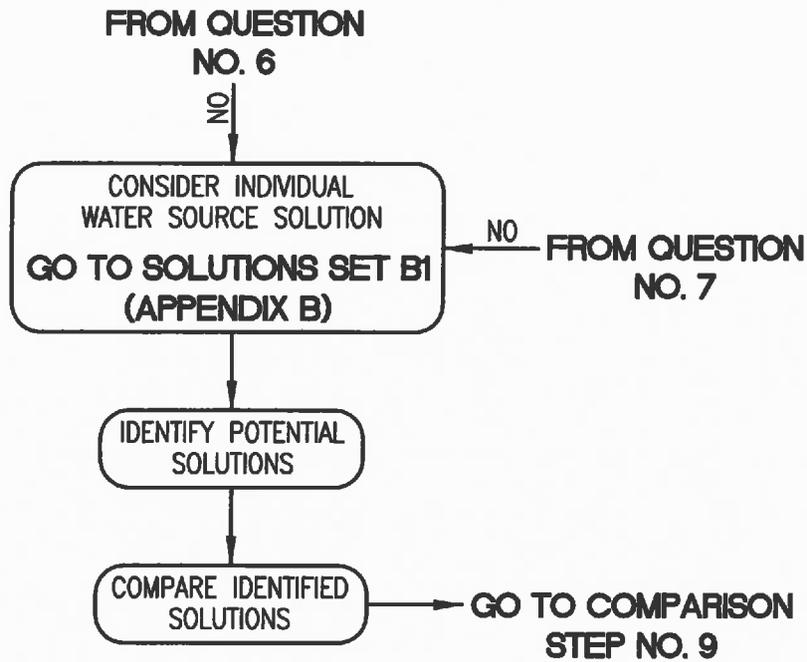
INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



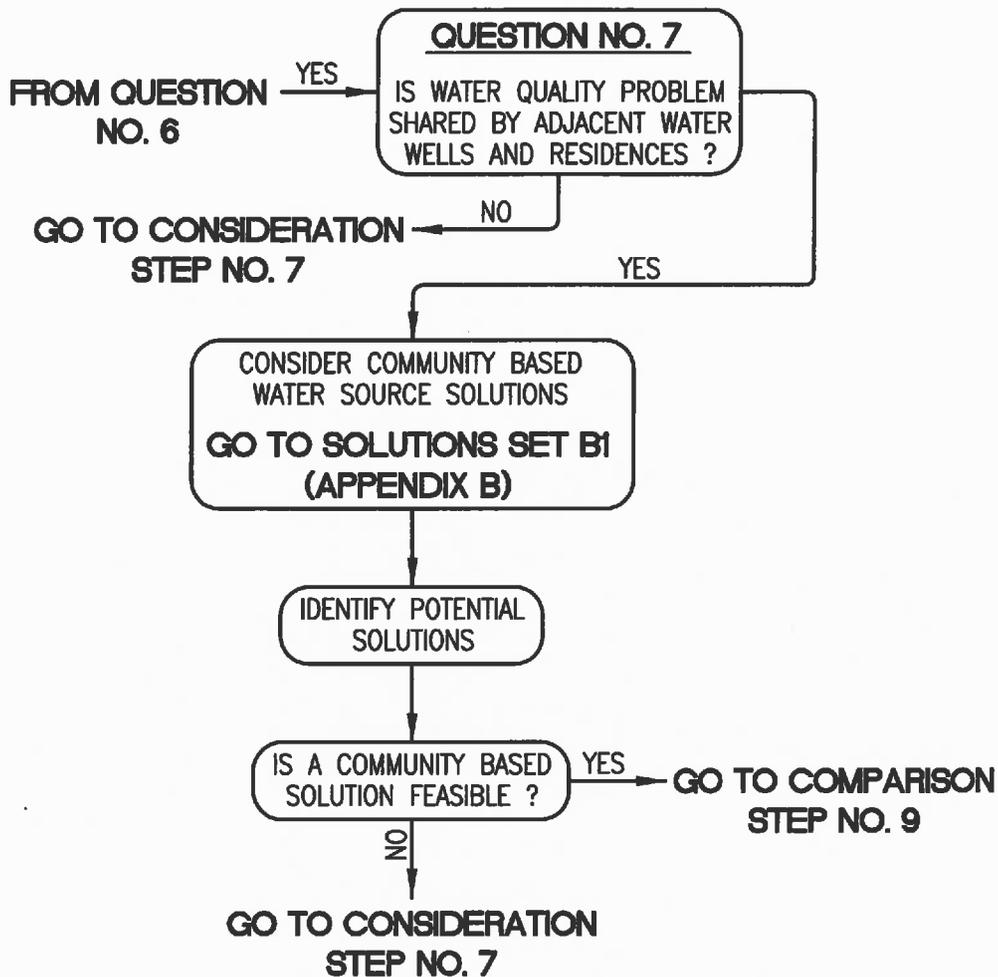
QUESTION NO. 6

SOLUTION SERIES NO. 2C - WATER QUALITY SOLUTIONS - INORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



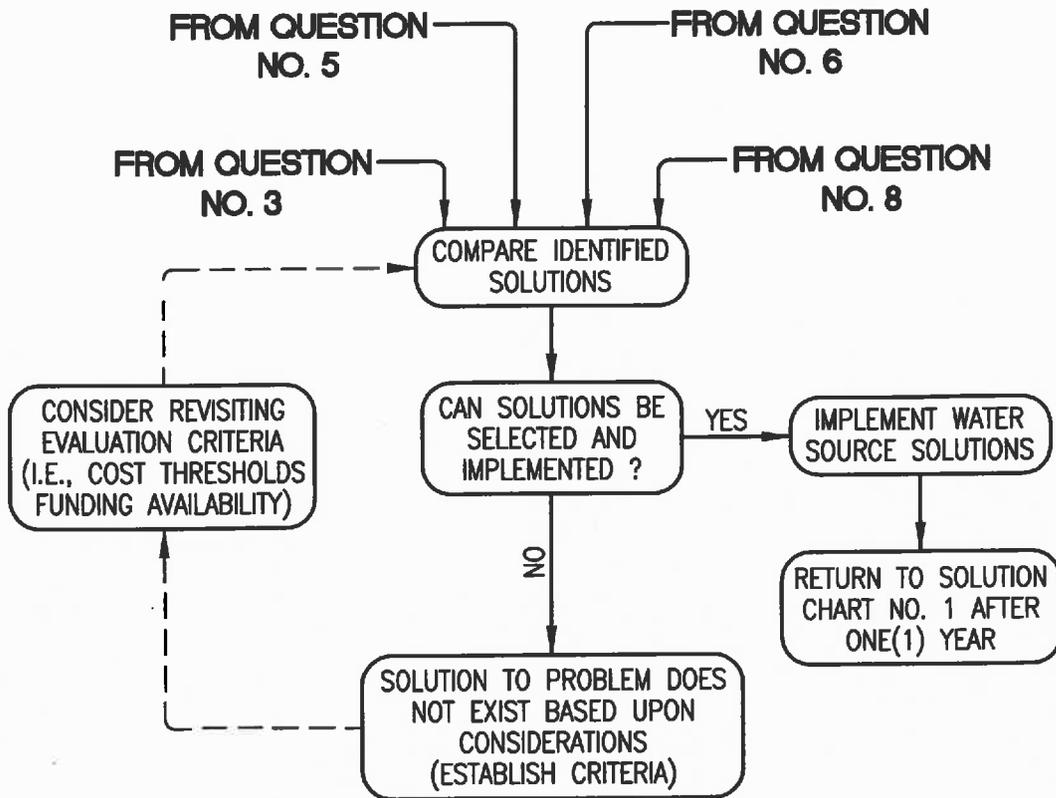
CONSIDERATION STEP NO. 7

SOLUTION SERIES NO. 2C - WATER QUALITY SOLUTIONS - INORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 8

SOLUTION SERIES NO. 2C - WATER QUALITY SOLUTIONS - INORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



COMPARISON STEP NO. 9

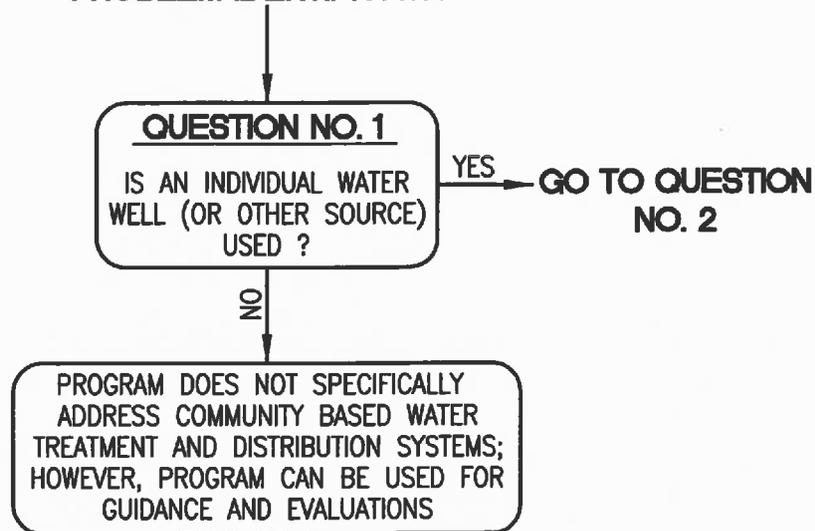
SOLUTION SERIES NO. 2C - WATER QUALITY SOLUTIONS - INORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

APPENDIX A – SOLUTION CHARTS

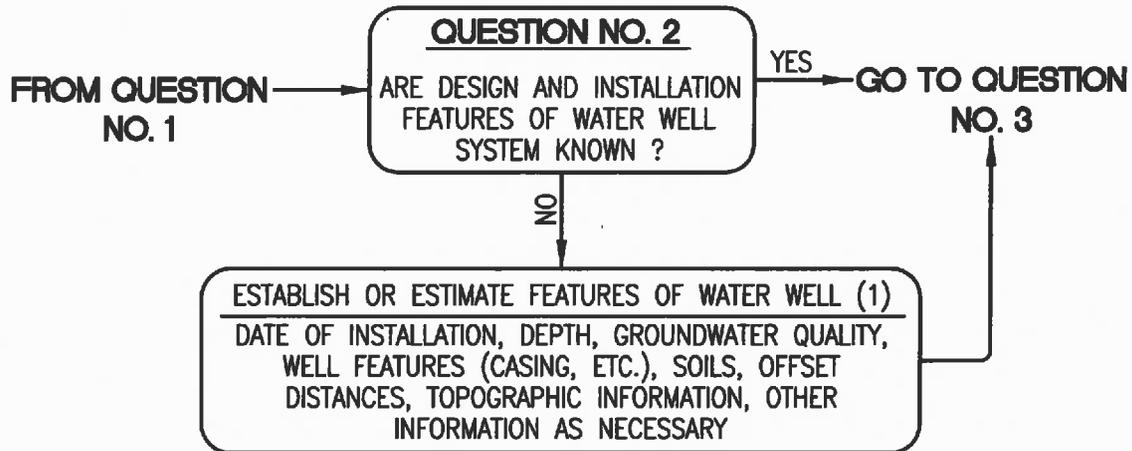
SOLUTION CHART SERIES 2D – ORGANICS

This series of solution charts is specifically prepared to address water quality problems associated with organic contaminants (e.g. DBCP).

The solution sets referenced in the charts can be found in Appendix B – Solution Sets.

**WATER QUALITY
PROBLEM IDENTIFICATION****QUESTION NO. 1**

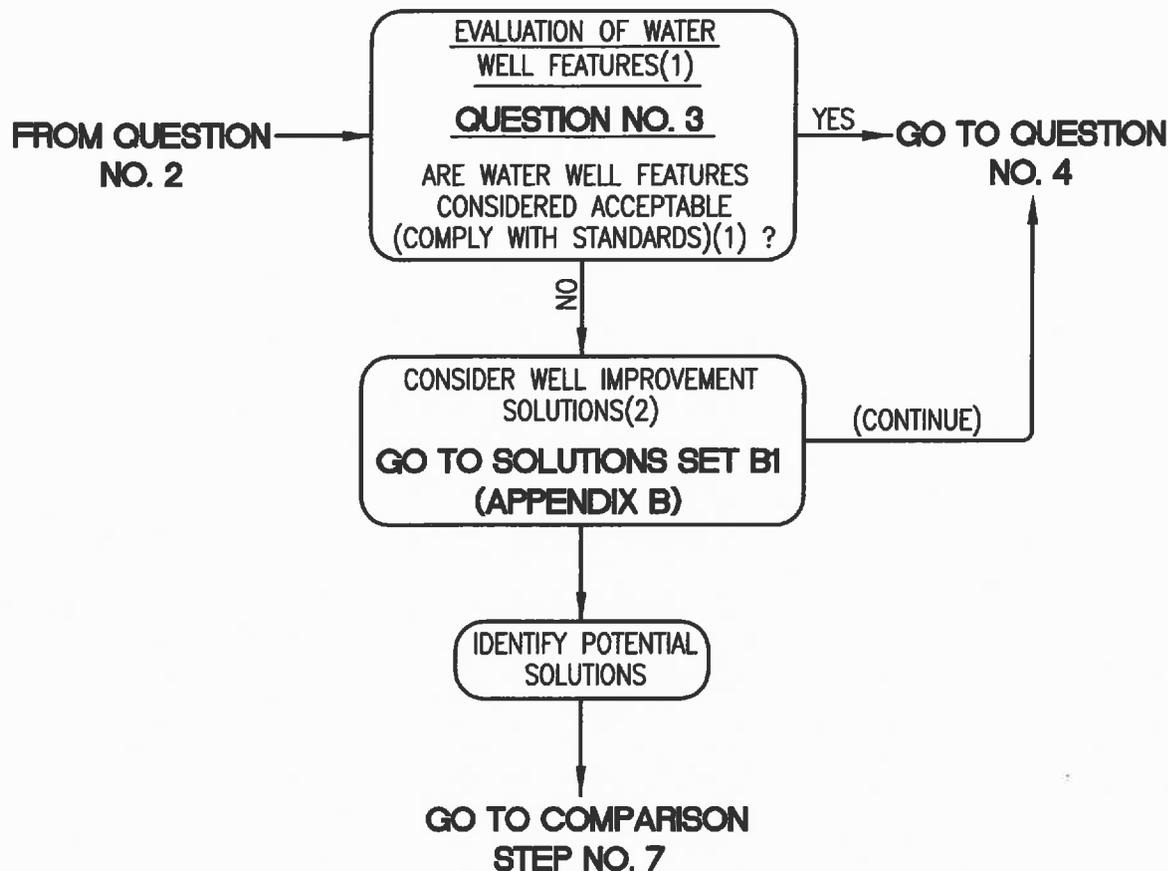
SOLUTION CHART NO. 2D - WATER QUALITY SOLUTIONS - ORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

**NOTE:**

- EVALUATION SHOULD BE CONDUCTED BY INDIVIDUAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.

QUESTION NO. 2

SOLUTION CHART NO. 2D - WATER QUALITY SOLUTIONS - ORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

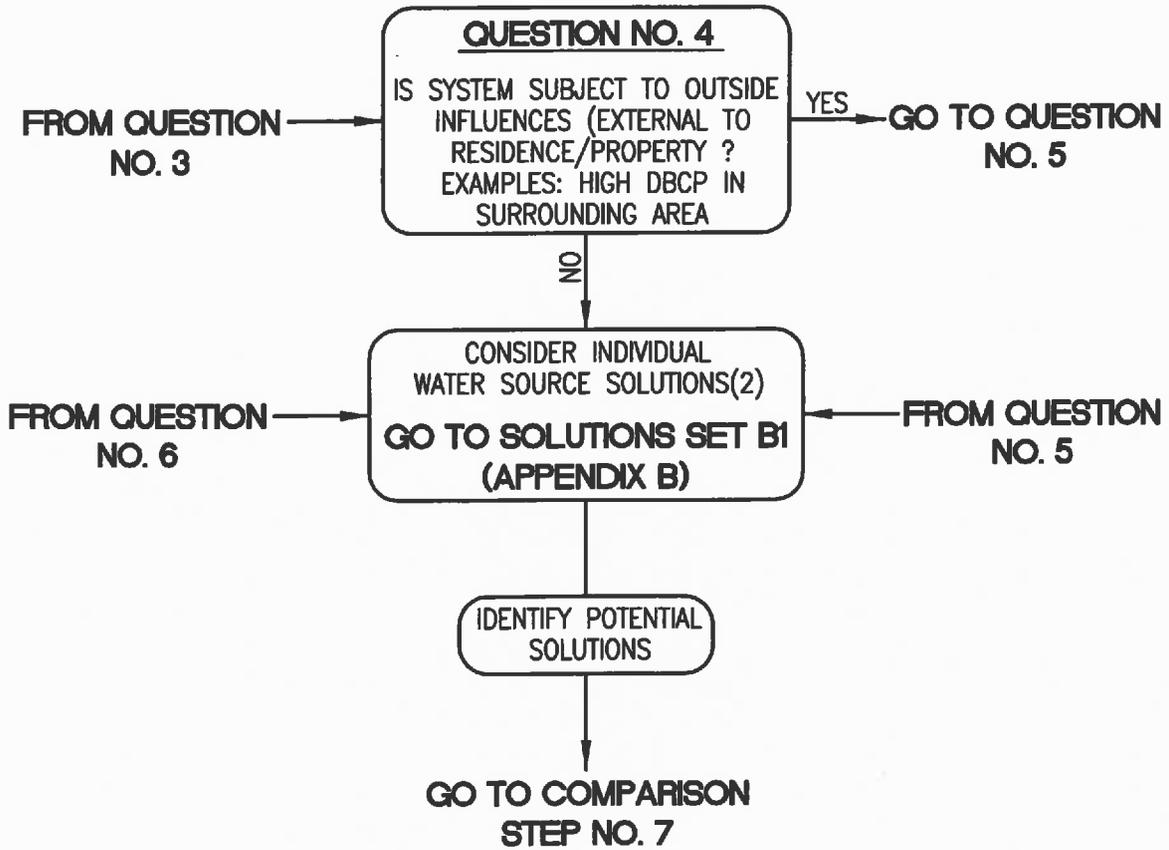


NOTES:

1. EVALUATION SHOULD BE CONDUCTED BY PROFESSIONAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.
2. SOLUTIONS SHOULD BE EVALUATED AND ESTABLISHED BY PERSON(S) EXPERIENCED IN DRINKING WATER TREATMENT. EXAMPLES: DRINKING WATER TREATMENT CONSULTANTS, HEALTH DEPARTMENT REPRESENTATIVES AND WATER TREATMENT EQUIPMENT MANUFACTURERS.

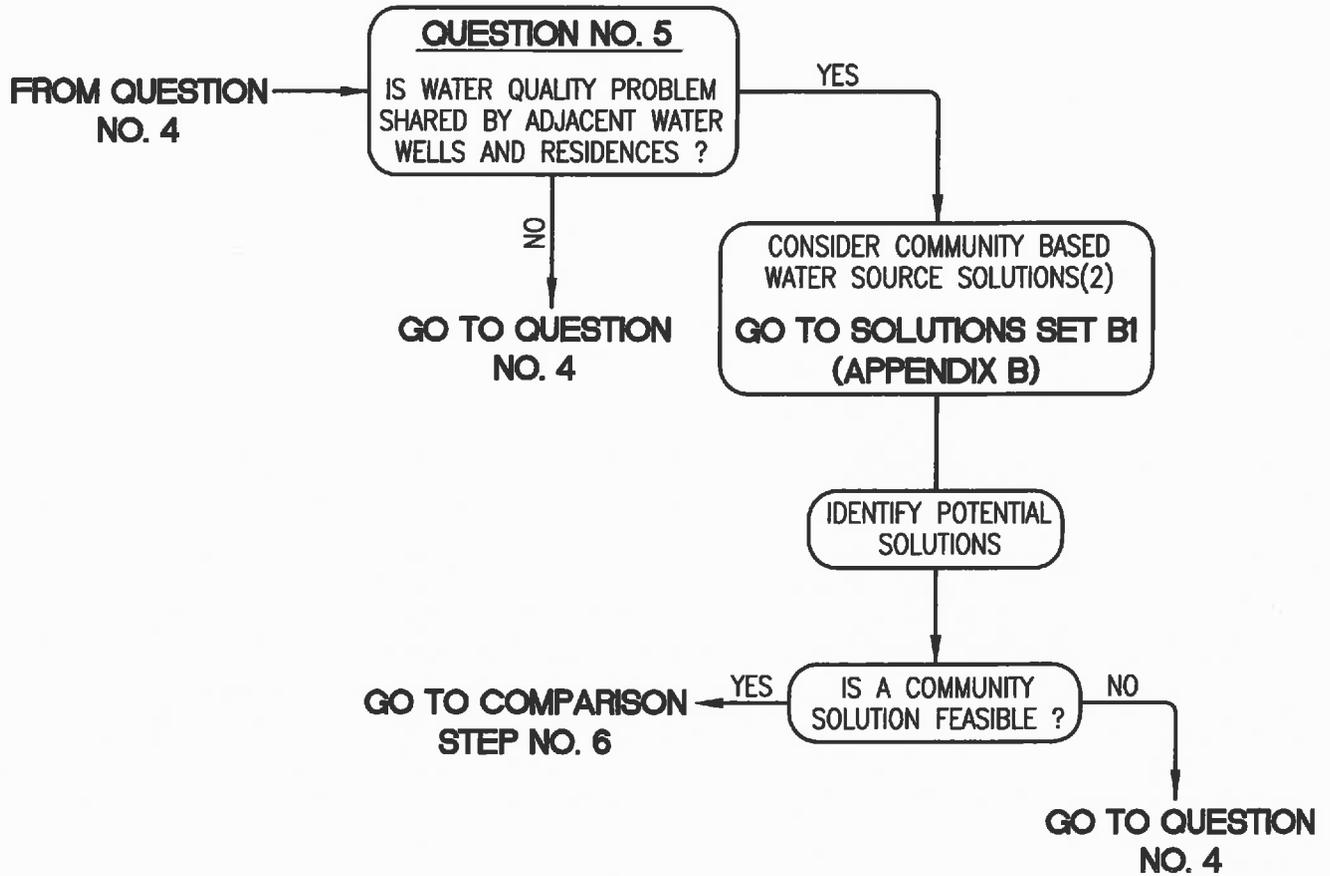
QUESTION NO. 3

SOLUTION CHART NO. 2D - WATER QUALITY SOLUTIONS - ORGANICS
INDIVIDUAL HOUSEHOLD PILOT PROJECT
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



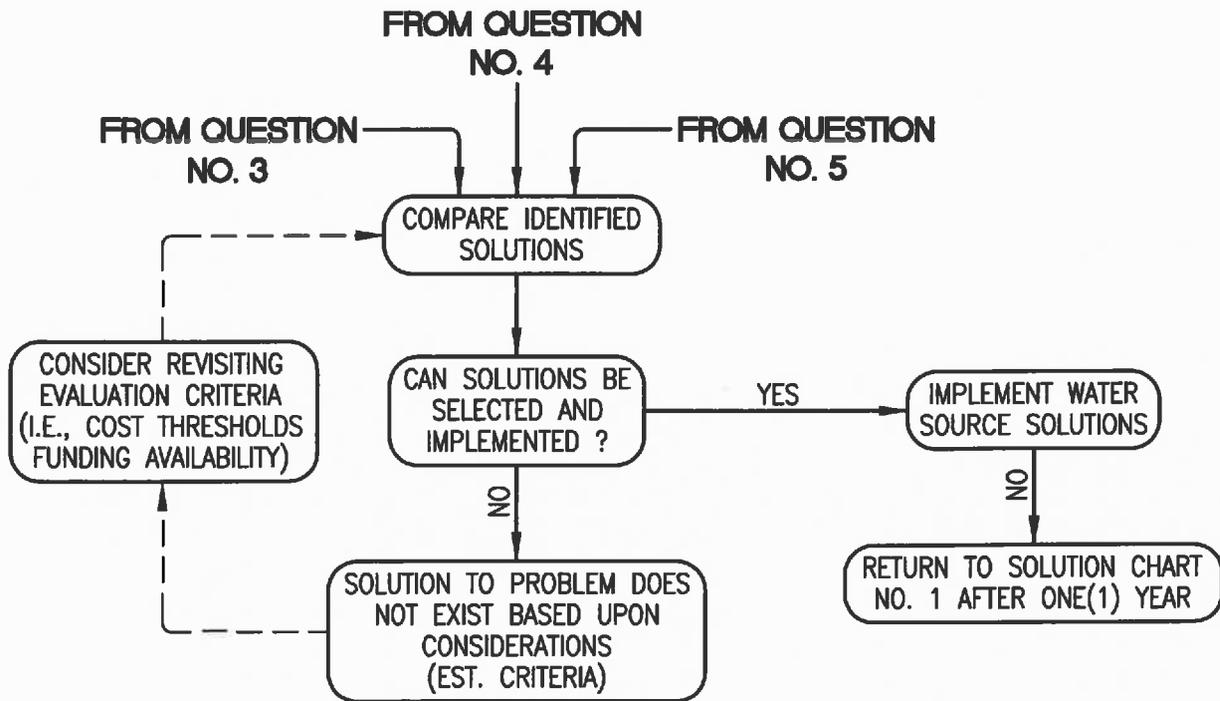
QUESTION NO. 4

SOLUTION CHART NO. 2D - WATER QUALITY SOLUTIONS - ORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 5

SOLUTION CHART NO. 2D - WATER QUALITY SOLUTIONS - ORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



COMPARISON STEP NO. 6

SOLUTION CHART NO. 2D - WATER QUALITY SOLUTIONS - ORGANICS
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

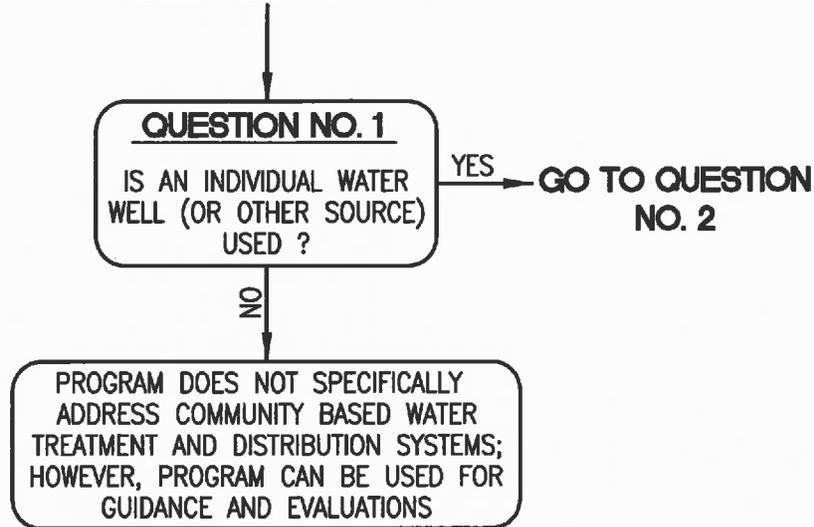
APPENDIX A – SOLUTION CHARTS

SOLUTION CHART SERIES 2E – GENERAL WATER QUALITY

This series of solution charts is specifically prepared to address water quality problems associated with other general water quality constituents (e.g. total dissolved solids).

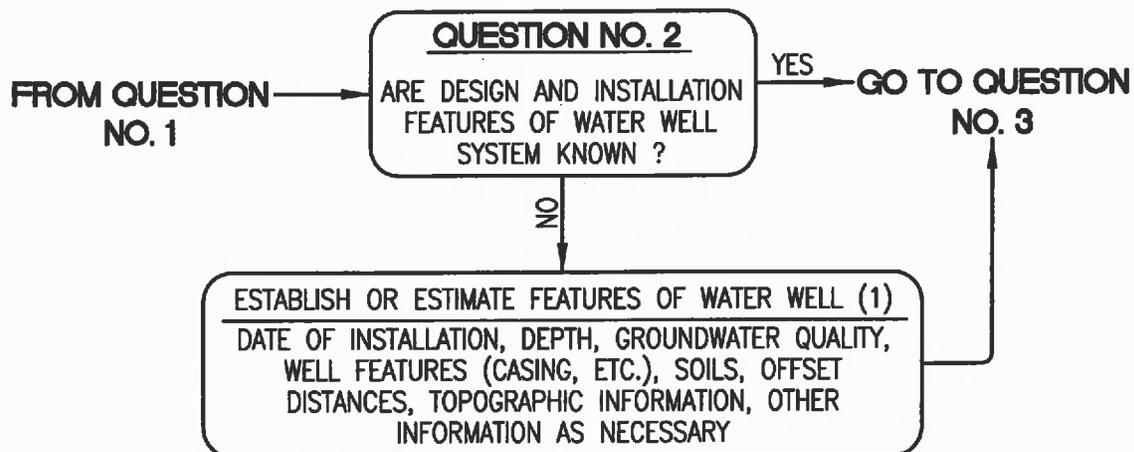
The solution sets referenced in the charts can be found in Appendix B – Solution Sets.

**WATER QUALITY
PROBLEM IDENTIFICATION**



QUESTION NO. 1

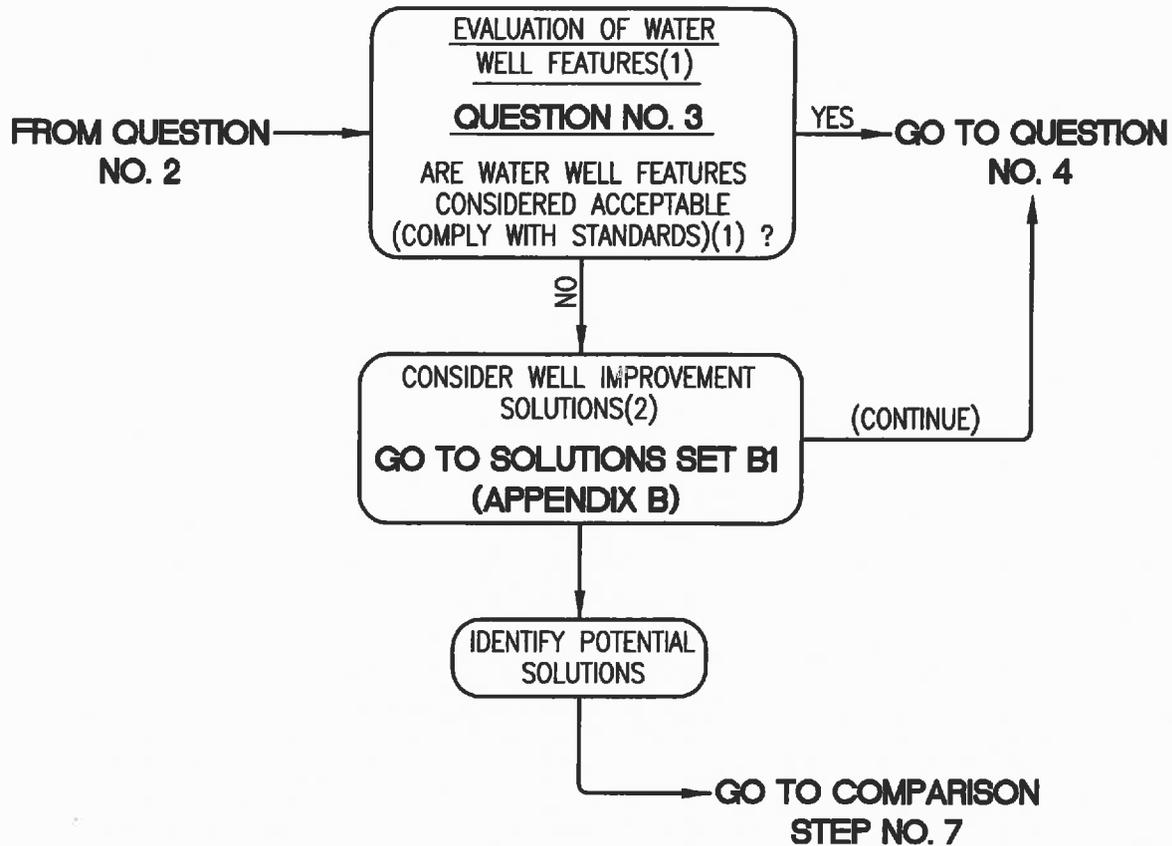
SOLUTION CHART NO. 2E - WATER QUALITY SOLUTIONS - GENERAL WATER QUALITY
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

NOTE:

1. EVALUATION SHOULD BE CONDUCTED BY INDIVIDUAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.

QUESTION NO. 2

SOLUTION CHART NO. 2E - WATER QUALITY SOLUTIONS - GENERAL WATER QUALITY
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

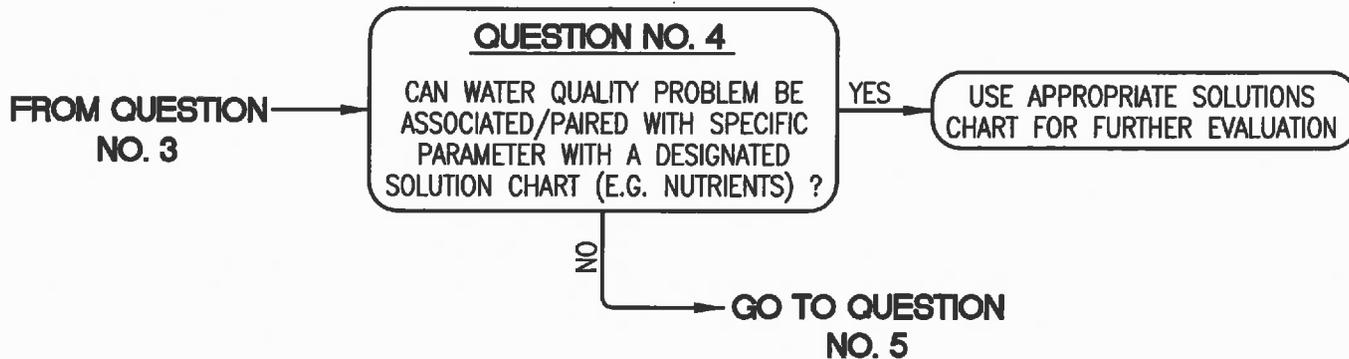


NOTES:

1. EVALUATION SHOULD BE CONDUCTED BY PROFESSIONAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.
2. SOLUTIONS SHOULD BE EVALUATED AND ESTABLISHED BY PERSON(S) EXPERIENCED IN DRINKING WATER TREATMENT. EXAMPLES: DRINKING WATER TREATMENT CONSULTANTS, HEALTH DEPARTMENT REPRESENTATIVES AND WATER TREATMENT EQUIPMENT MANUFACTURERS.

QUESTION NO. 3

**SOLUTION CHART NO. 2E - WATER QUALITY SOLUTIONS - GENERAL WATER QUALITY
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY**



QUESTION NO. 4

SOLUTION CHART NO. 2E - WATER QUALITY SOLUTIONS - GENERAL WATER QUALITY
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

FROM QUESTION
NO. 4

QUESTION NO. 5
IS SYSTEM SUBJECT TO OUTSIDE INFLUENCES
(EXTERNAL TO RESIDENCE/PROPERTY ?
EXAMPLES: HIGH NITRATES TASTE/ODOR
PROBLEMS HIGH COLOR IN SURROUNDING AREA

YES → GO TO QUESTION
NO. 6

NO

CONSIDER INDIVIDUAL
WATER SOURCE SOLUTIONS(2)
GO TO SOLUTIONS SET B1
(APPENDIX B)

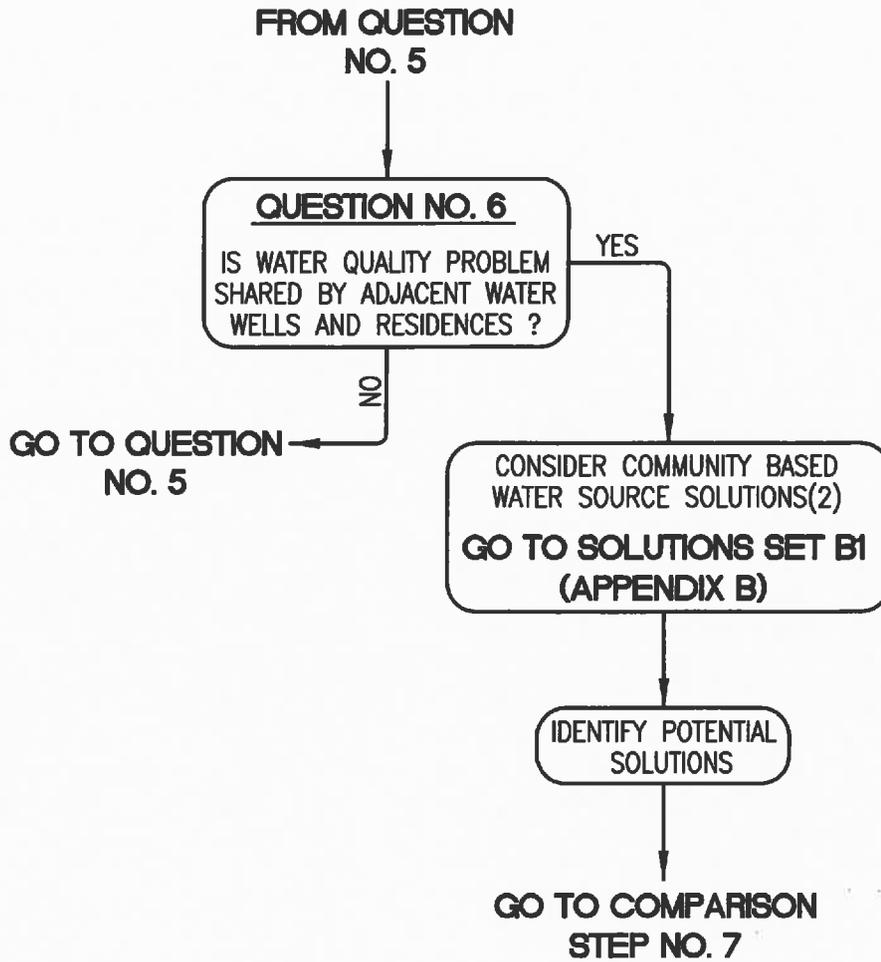
← FROM QUESTION
NO. 6

IDENTIFY POTENTIAL
SOLUTIONS

GO TO COMPARISON
STEP NO. 7

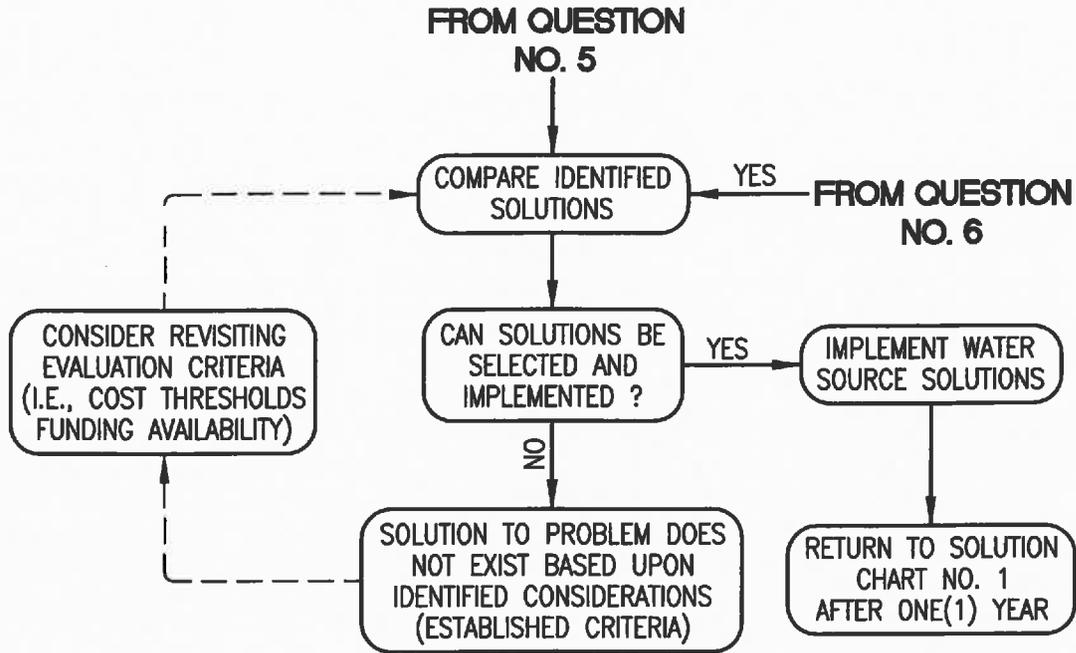
QUESTION NO. 5

SOLUTION CHART NO. 2E - WATER QUALITY SOLUTIONS - GENERAL WATER QUALITY
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 6

SOLUTION CHART NO. 2E - WATER QUALITY SOLUTIONS - GENERAL WATER QUALITY
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



COMPARISON STEP NO. 7

SOLUTION CHART NO. 2E - WATER QUALITY SOLUTIONS - GENERAL WATER QUALITY
INDIVIDUAL HOUSEHOLD PILOT STUDY
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

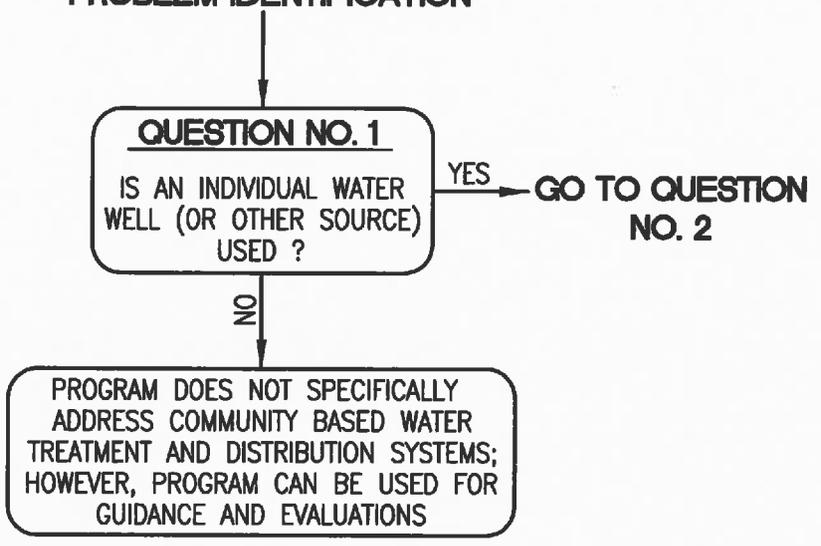
APPENDIX A – SOLUTION CHARTS

SOLUTION CHART SERIES 3 – WATER SUPPLY AND DELIVERY

This series of solution charts is specifically prepared to address problems associated with water supply and delivery conditions.

The solution sets referenced in the charts can be found in Appendix B – Solution Sets.

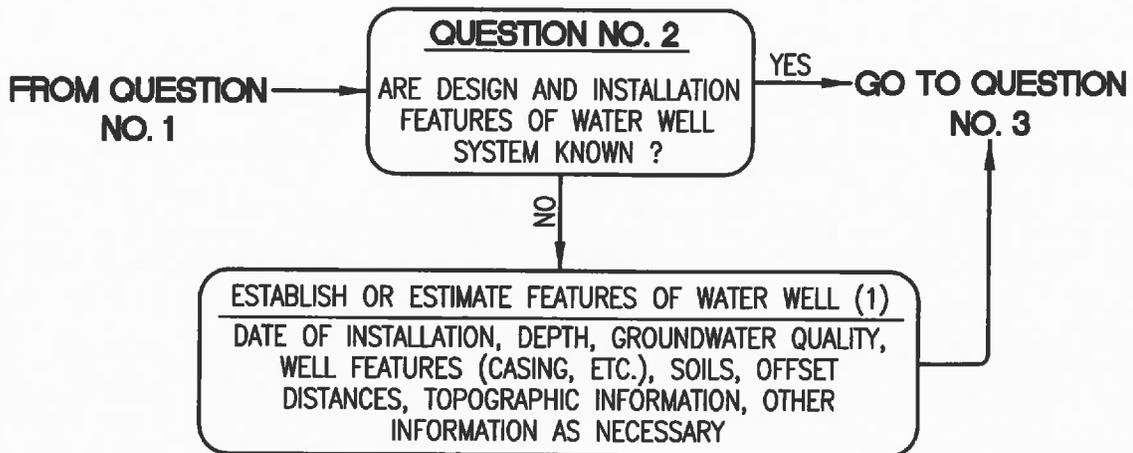
**WATER QUALITY
PROBLEM IDENTIFICATION**



QUESTION NO. 1

SOLUTION CHART NO. 3 - WATER SUPPLY SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



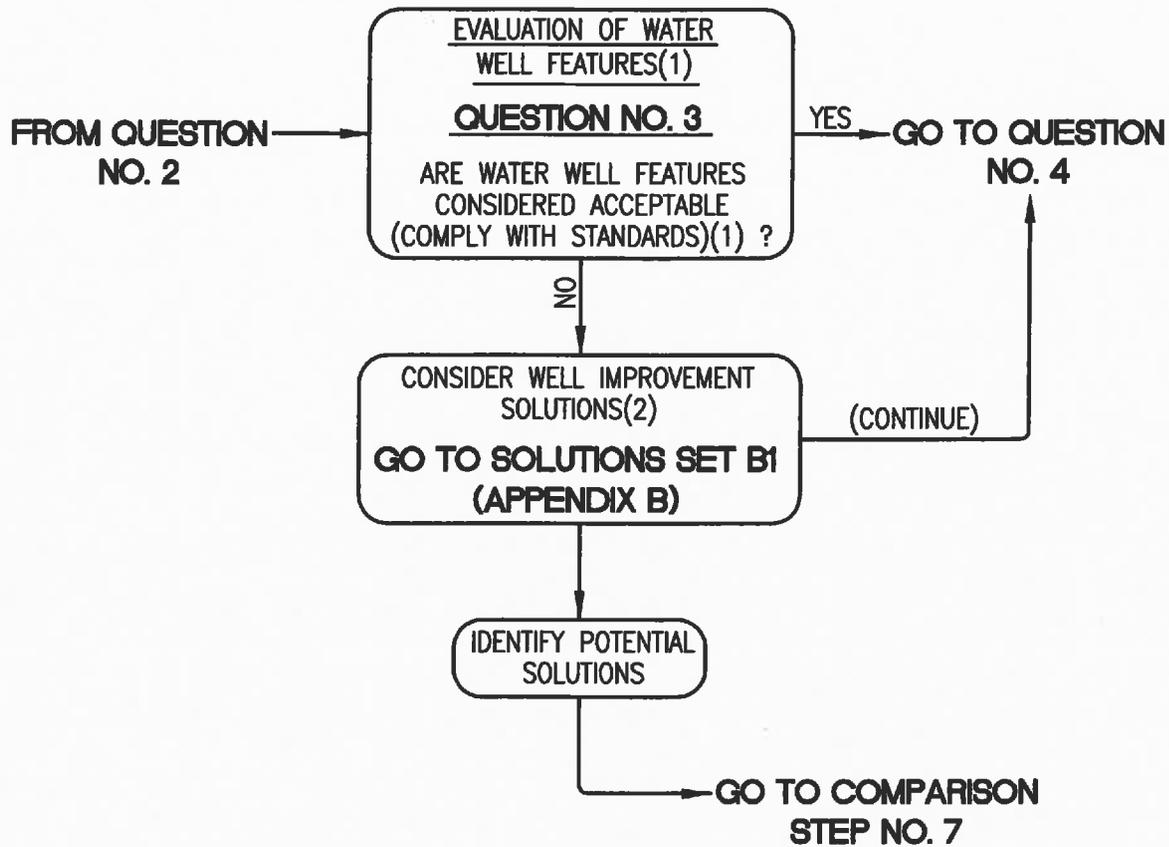
NOTE:

1. EVALUATION SHOULD BE CONDUCTED BY INDIVIDUAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.

QUESTION NO. 2

SOLUTION CHART NO. 3 - WATER SUPPLY SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



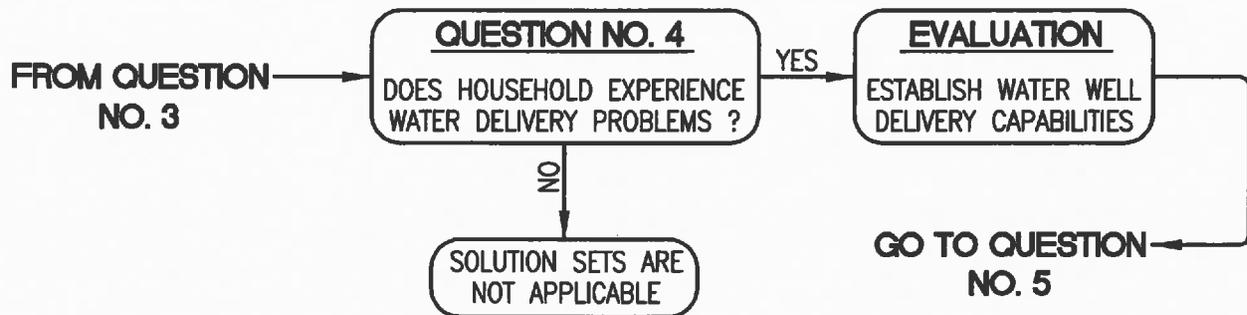
NOTES:

1. EVALUATION SHOULD BE CONDUCTED BY PROFESSIONAL WITH EXPERIENCE IN WATER WELL DESIGN AND INSTALLATION.
2. SOLUTIONS SHOULD BE EVALUATED AND ESTABLISHED BY PERSON(S) EXPERIENCED IN DRINKING WATER TREATMENT. EXAMPLES: DRINKING WATER TREATMENT CONSULTANTS, HEALTH DEPARTMENT REPRESENTATIVES AND WATER TREATMENT EQUIPMENT MANUFACTURERS.

QUESTION NO. 3

SOLUTION CHART NO. 3 - WATER SUPPLY SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

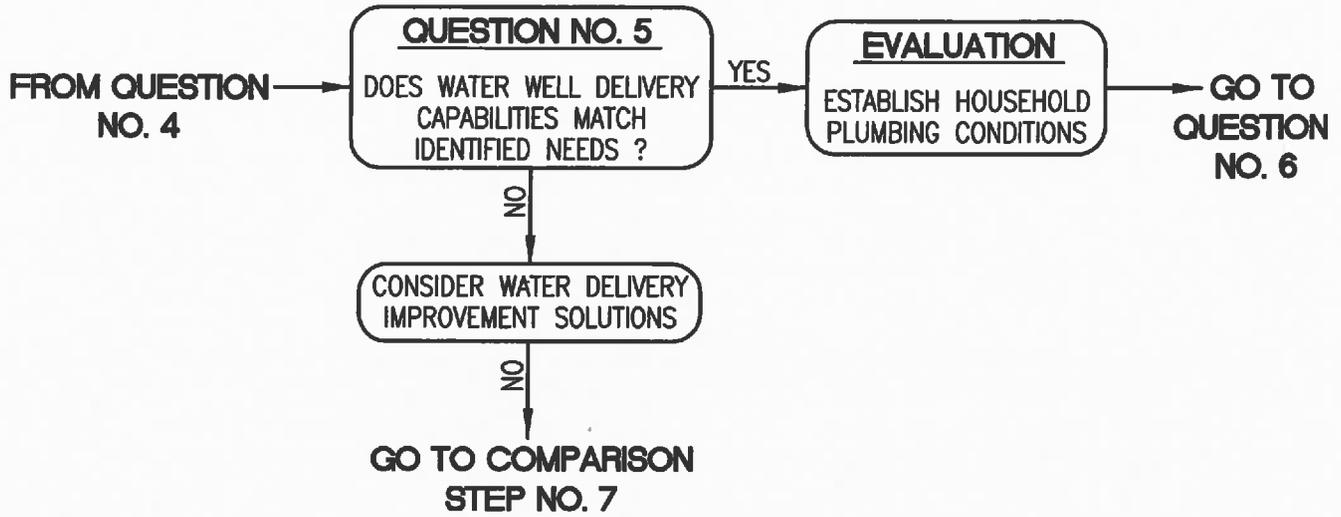
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 4

SOLUTION CHART NO. 3 - WATER SUPPLY SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

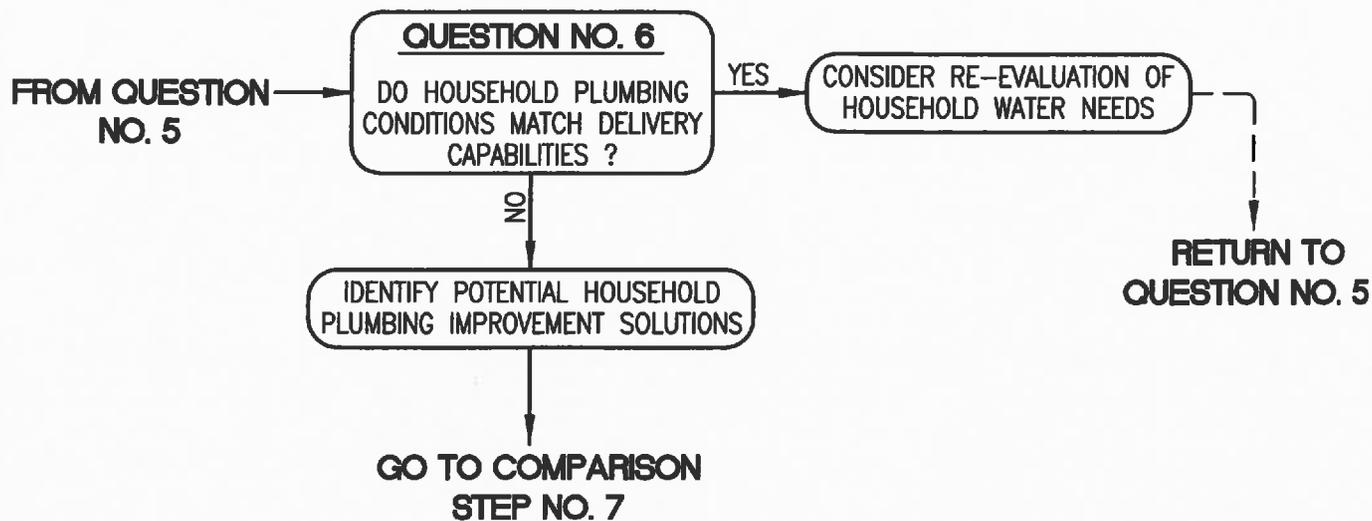
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 5

SOLUTION CHART NO. 3 - WATER SUPPLY SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

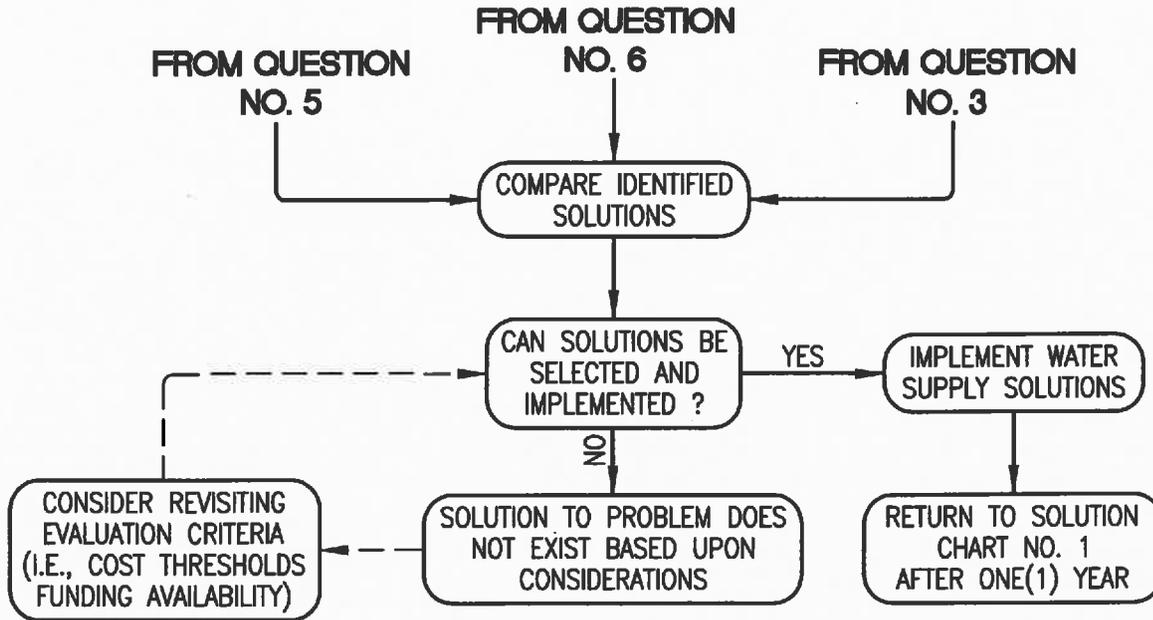
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 6

SOLUTION CHART NO. 3 - WATER SUPPLY SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



COMPARISON STEP NO. 7

SOLUTION CHART NO. 3 - WATER SUPPLY SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

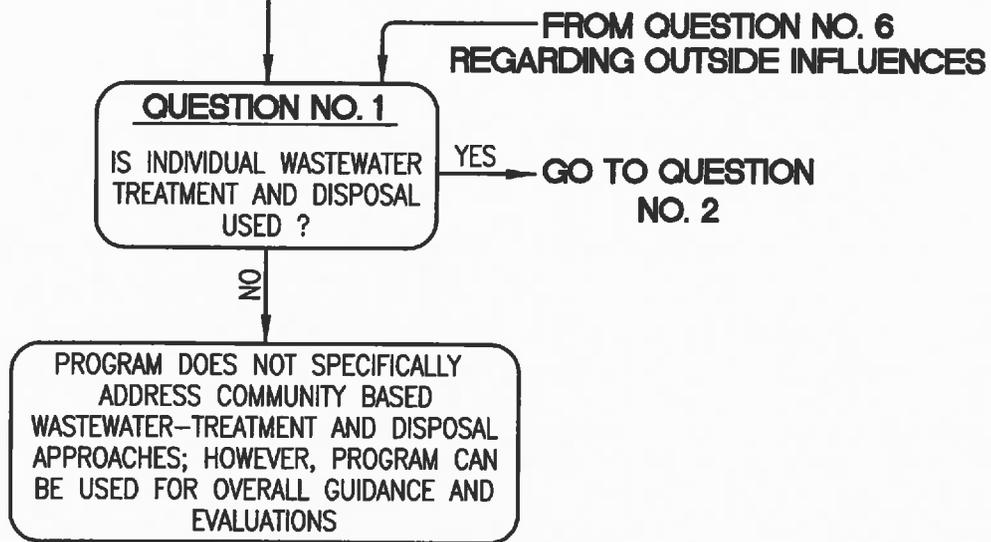
APPENDIX A – SOLUTION CHARTS

SOLUTION CHART SERIES 4–WASTEWATER TREATMENT AND DISPOSAL

This series of solution charts is specifically prepared to address problems associated with individual, onsite wastewater treatment and disposal systems.

The solution sets referenced in the charts can be found in Appendix B – Solution Sets.

WASTEWATER PROBLEM IDENTIFICATION (1)



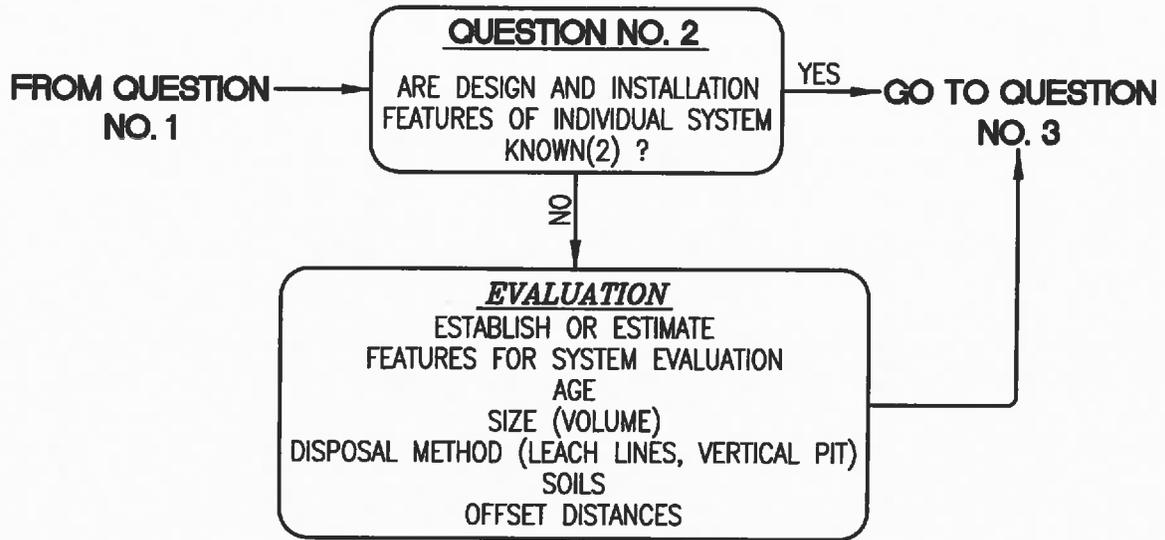
NOTE:

1. THIS SOLUTION CHART ADDRESSES DEFICIENCIES IN INDIVIDUAL WASTEWATER SYSTEMS.

QUESTION NO. 1

SOLUTION CHART NO. 4 - WASTEWATER SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



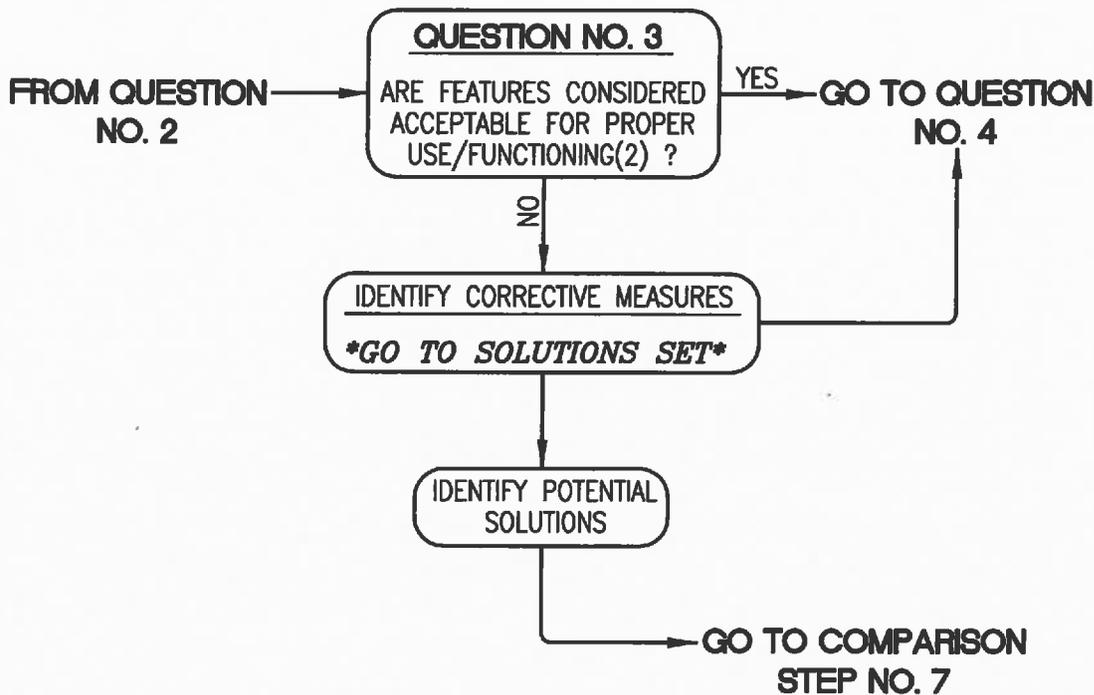
NOTE:

1. EVALUATION SHOULD BE CONDUCTED BY PROFESSIONAL WITH EXPERIENCE IN ON-SITE WASTEWATER TREATMENT AND DISPOSAL SYSTEM DESIGN AND INSTALLATION.

QUESTION NO. 2

SOLUTION CHART NO. 4 - WASTEWATER SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY

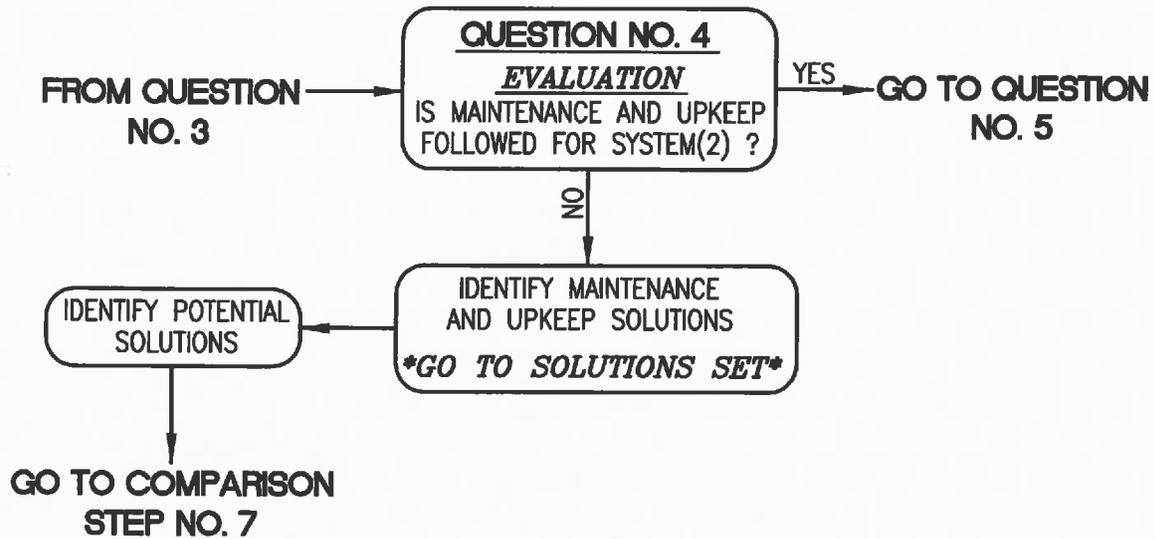


QUESTION NO. 3

SOLUTION CHART NO. 4 - WASTEWATER SOLUTIONS

INDIVIDUAL HOUSEHOLD PILOT PROJECT

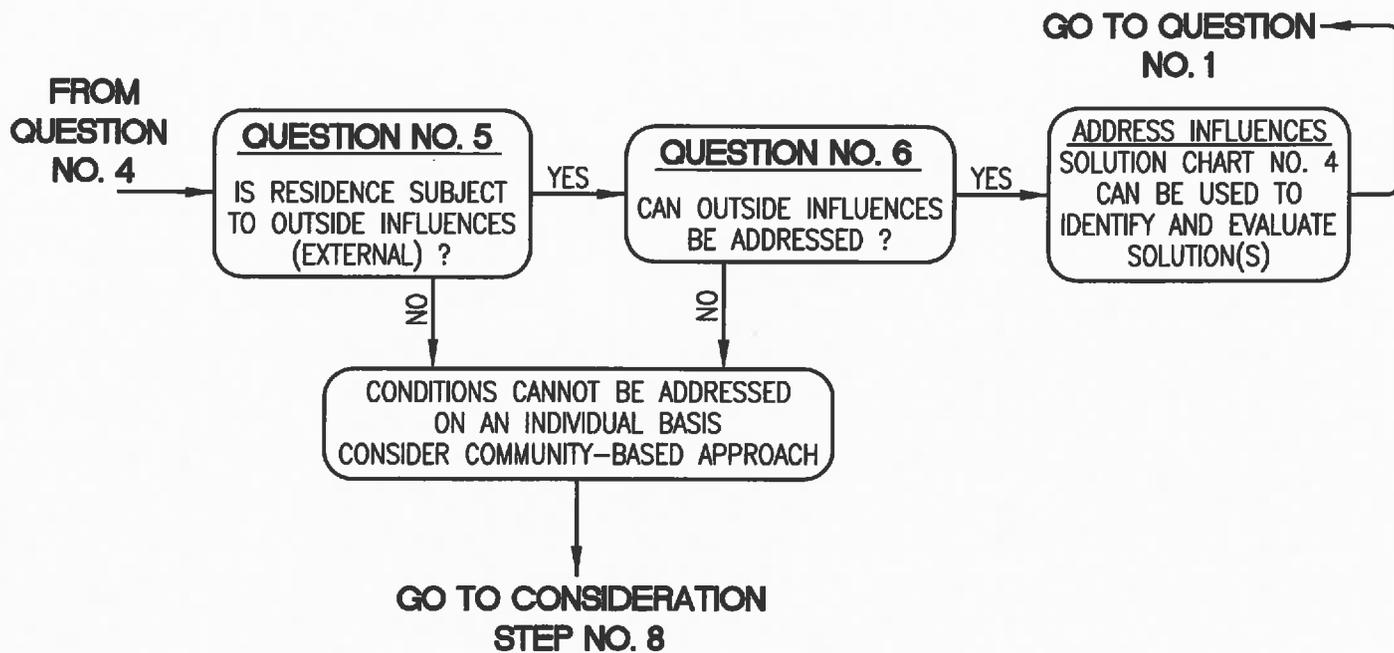
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTION NO. 4

SOLUTION CHART NO. 4 - WASTEWATER SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

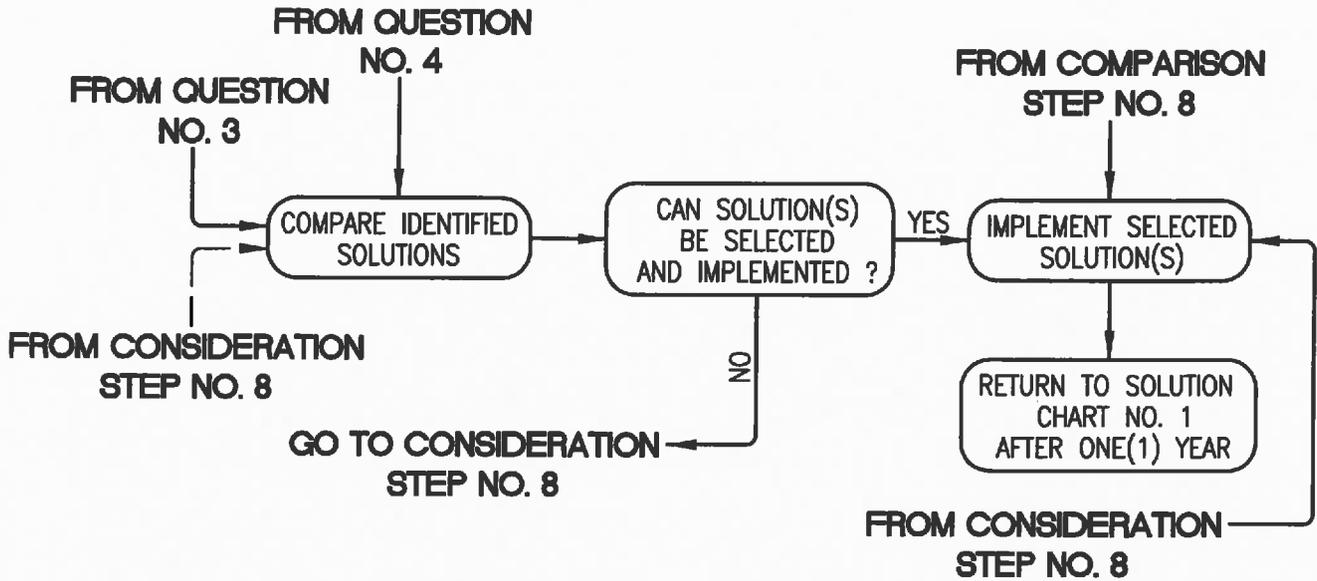
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



QUESTIONS NO. 5 AND NO. 6

SOLUTION CHART NO. 4 - WASTEWATER SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

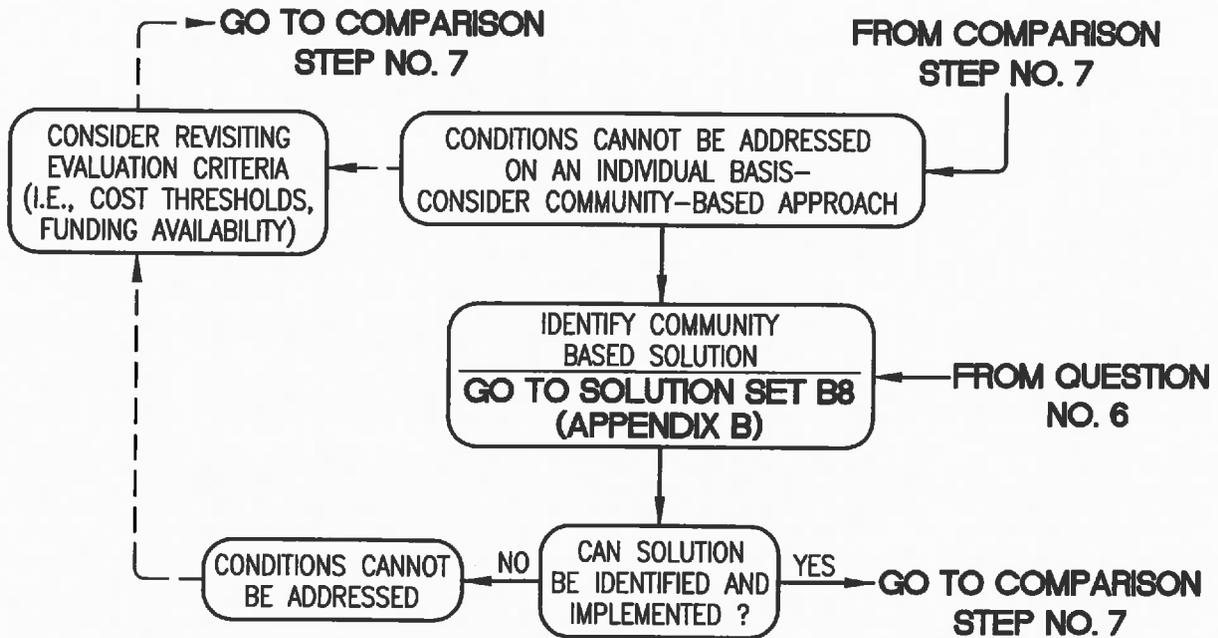
TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



COMPARISON STEP NO. 7

SOLUTION CHART NO. 4 - WASTEWATER SOLUTIONS
INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY



CONSIDERATION STEP NO. 8

SOLUTION CHART NO. 4 - WASTEWATER SOLUTIONS

INDIVIDUAL HOUSEHOLD PILOT STUDY

TULARE LAKE BASIN DISADVANTAGED COMMUNITY WATER/WASTEWATER STUDY