



Source Water Assessment

A Hydrogeologic Susceptibility and
Vulnerability Assessment for
DGSD-Delta School/Vocational Education
Drinking Water System,
Delta Junction, Alaska

PWSID # 372261.001

July 2004

DRINKING WATER PROTECTION PROGRAM REPORT 1387
Alaska Department of Environmental Conservation

Source Water Assessment for DGSD-Delta School/Vocational Education Drinking Water System Delta Junction, Alaska

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The Drinking Water Protection Program (DWPP) is producing Source Water Assessments in compliance with the Safe Drinking Water Act Amendments of 1996. Each assessment includes a delineation of the source water area, an inventory of potential and existing contaminant sources that may impact the water, a risk ranking for each of these contaminants, and an evaluation of the potential vulnerability of these drinking water sources.

These assessments are intended to provide public water systems owners/operators, communities, and local governments with the best available information that may be used to protect the quality of their drinking water. The assessments combine information obtained from various sources, including the U.S. Environmental Protection Agency, Alaska Department of Environmental Conservation (ADEC), public water system owners/operators, and other public information sources. The results of this assessment are subject to change if additional data becomes available. It is anticipated this assessment will be updated every five years to reflect any changes in the vulnerability and/or susceptibility of public drinking water source. If you have any additional information that may affect the results of this assessment, please contact the Program Coordinator of DWPP, (907) 269-7521.

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Source Water Assessment for DGSD-Delta School/Vocational Education Source of Public Drinking Water, Delta Junction, Alaska

Drinking Water Protection Program Alaska Department of Environmental Conservation

EXECUTIVE SUMMARY

DGSD-Delta/Vocational Education School has two Public Water System (PWS) wells. Based on ADEC records the well (PWS No. 372261.001) has been used as a drinking water source since it was drilled in July of 1981. This source water assessment report is exclusively limited to PWSID #372261.001.

The well is a Class A (community and non-transient/non-community) water system located on School Road in Delta Junction, Alaska. The August 2001 sanitary survey indicates that there is no secondary storage capacity, however there are 2 pressure tanks with a combined capacity of 200 gallons. The drinking water source is untreated. This system operates seasonally and serves approximately 550 nonresidents through 2 service connections. The wellhead received a susceptibility rating of **Low** and the aquifer received a susceptibility rating of **Very High**. Combining these two ratings produce a **Medium** rating for the natural susceptibility of the well.

Identified potential and current sources of contaminants for the public drinking water source include: domestic wastewater treatment plant disposal ponds/lagoons, large-capacity septic systems, residential and nonresidential heating oil tanks, diesel tanks, DEC recognized contaminated sites, open and closed leaking underground fuel storage tank (LUST) sites, petroleum product bulk station/terminals, roads, electric power generation, oil and gas pump stations, and an airport. A complete list of contaminants is provided in Appendix B. These identified potential and existing sources of contamination are considered as sources of bacteria and viruses, nitrates and/or nitrites, volatile organic chemicals, heavy metals, cyanide and other inorganic chemicals, synthetic organic chemicals, and other organic chemical contaminant categories.

Overall, the water well received a vulnerability rating of **High** for bacteria and viruses, nitrates and nitrites, volatile organic chemicals, heavy metals, cyanide and

other inorganic chemicals, synthetic organic chemicals, and other organic chemicals.

PUBLIC DRINKING WATER SYSTEM

The DGSD-Delta School/Vocational Education well is a Class A (community/non-transient/non-community) public water system. The system is located on School Road in Delta Junction, Alaska (Sec. 23, T010S, R010E, Fairbanks Meridian; see Map A of Appendix A). Delta Junction is located at the convergence of the Richardson and Alaska Highways, approximately 95 miles southeast of Fairbanks. The community has a population of 984 (ADCED, 2003). Average annual precipitation for Delta Junction is 12 inches, including approximately 37 inches of snowfall. Temperatures can be as extreme as -63 to 92°F.

Households in Delta Junction have individual wells and septic systems. Almost all homes are fully plumbed, and refuse is collected by a private firm, Delta Sanitation, and is transported to the City landfill (ADCED, 2003). Golden Valley Electric Association, a REA cooperative, provides electricity. Power generating facilities are fueled by coal with a diesel backup (ADCED, 2003).

According to information supplied by ADEC for the DGSD-Delta School/Vocational Education PWS, the depth of the primary water well is 124 feet below the ground surface. Based on available well construction details, it appears that the well is screened in an unconfined aquifer. The well is not located within a floodplain.

Information acquired from an August 2001 sanitary survey for the public water system indicated that the land surface was sloped away from the well. Generally, land surfaces that slope away from the wellhead promote surface water drainage, which reduces the potential of contaminant migration down the well casing annulus. The sanitary survey indicates that the well is grouted according to ADEC regulations. Proper grouting provides added protection against contaminants traveling along the well casing annulus and into source waters.

Delta Junction lies in the Tanana-Kuskokwim Lowland, a broad depression bordering the Alaska Range on the north. The principal surficial deposits in the surrounding area are composed of moderately well sorted silt, sand, and gravel. It is likely that deep sediments in the area are poorly sorted lacustrine, glacial, or marine sediments of low permeability. There are five major soil types in the area: Salchaket, Jarvis, Nenana, Chena, and Tanana (Nelson, 1995).

DRINKING WATER PROTECTION AREA

In order to evaluate whether a drinking water source is at risk, we must first evaluate what the most likely pathways for surface contamination to reach the groundwater are. These areas are determined by looking at the characteristics of the soil, groundwater, aquifer, and well.

The most probable area for contamination to reach the drinking water well is the area that contributes water to the well, the groundwater recharge area. This area is designated as the drinking water protection area (DWPA). Because releases of contaminants within the protection area are most likely to impact the drinking water well, this area will serve as the focus for voluntary protection efforts. An analytical calculation was used to determine the size and shape of the DWPA for the DGSD-Delta School/Vocational Education PWS. The input parameters describing the attributes of the aquifer in this calculation were adopted from Groundwater (Freeze and Cherry, 1979). Available geology and groundwater contours were also considered to take into account any uncertainties in groundwater flow and aquifer characteristics to arrive at a meaningful protection area.

The protection areas established for wells by the ADEC are usually separated into four zones, limited by the watershed. These zones correspond to differences in the time-of-travel (TOT) of the water moving through the aquifer to the well (Please refer to the Guidance Manual for Class A Public Water Systems for additional information).

The time of travel for contaminants within the water varies and is dependent on the physical and chemical characteristics of each contaminant. The following is a summary of the four protection area zones for wells and the calculated time -of-travel for each:

Table 1. Definition of Zones

| Zone | Definition |
|------|--|
| A | ¼ the distance for the 2-yr. time -of-travel |
| B | Less than the 2 year time-of-travel |

| | |
|---|---------------------------------------|
| C | Less Than the 5 year time -of-travel |
| D | Less than the 10 year time -of-travel |

The DWPA for the DGSD-Delta School/Vocational Education PWS was determined using an analytical calculation and includes Zones A, B, C, and D (See Map A of Appendix A).

INVENTORY OF POTENTIAL AND EXISTING CONTAMINANT SOURCES

The Drinking Water Protection Program has completed an inventory of potential and existing sources of contamination within the DGSD-Delta School/Vocational Education DWPA. This inventory was completed through a search of agency records and other publicly available information. Potential sources of contamination to the drinking water aquifer include a wide range of categories and types. Potential drinking water contaminants are found within agricultural, residential, commercial, and industrial areas, but can also occur within areas that have little or no development.

For the basis of all Class A public water system assessments, six categories of drinking water contaminants were inventoried. They include:

- Bacteria and viruses,
- Nitrates and/or nitrites,
- Volatile organic chemicals,
- Heavy metals, cyanide and other inorganic chemicals,
- Synthetic organic chemicals,
- Other organic chemicals.

The sources are displayed on Map C of Appendix C and summarized in Table 1 of Appendix B.

RANKING OF CONTAMINANT RISKS

Once the potential and existing sources of contamination have been identified, they are assigned a ranking according to what type and level of risk they represent. Ranking of contaminant risks for a “potential” or “existing” source of contamination is a function of toxicity and volumes of specific contaminants associated with that source. Rankings include:

- Low,
- Medium,
- High, and
- Very High.

The time-of-travel for contaminants within the water varies and is dependent on the physical and chemical

characteristics of each contaminant. Bacteria and Viruses are only inventoried in Zones A and B because of their short life span. Only “Very High” and “High” rankings are inventoried within the outer Zone D due to the probability of contaminant dilution by the time the contaminants get to the well. Tables 2 through 4 in Appendix B contain the ranking of potential and existing sources of contamination with respect to bacteria and viruses, nitrates and/or nitrites, volatile organic chemicals, heavy metals, cyanide and other inorganic chemicals, synthetic organic chemicals, and other organic chemicals.

VULNERABILITY OF THE DRINKING WATER SYSTEM

Vulnerability of a drinking water source to contamination is a combination of two factors:

- Natural susceptibility, and
- Contaminant risks.

Appendix D contains fourteen charts, which together form the ‘Vulnerability Analysis’ for a source water assessment for a public drinking water source. Chart 1 analyzes the ‘Susceptibility of the Wellhead’ to contamination by looking at the construction of the well and its surrounding area. Chart 2 analyzes the ‘Susceptibility of the Aquifer’ to contamination by looking at the naturally occurring attributes of the water source and influences on the groundwater system that might lead to contamination. Chart 3 analyzes ‘Contaminant Risks’ for the drinking water source with respect to bacteria and viruses. The ‘Contaminant Risks’ portion of the analysis considers potential sources of contaminants as well as a review of contamination that has or may have occurred, but has not arrived or been detected at the well. Chart 4 contains the ‘Vulnerability Analysis for Bacteria and Viruses’. Charts 5 through 14 contain the Contaminant Risks and Vulnerability Analyses for nitrates and nitrites, volatile organic chemicals, heavy metals, cyanide and other inorganic chemicals, synthetic organic chemicals, and other organic chemicals, respectively.

A score for the Natural Susceptibility is reached by considering the properties of the well and the aquifer.

Susceptibility of the Wellhead (0 – 25 Points)
(Chart 1 of Appendix D)

+

Susceptibility of the Aquifer (0 – 25 Points)
(Chart 2 of Appendix D)

=

Natural Susceptibility (Susceptibility of the Well)
(0 – 50 Points)

A ranking is assigned for the Natural Susceptibility according to the point score:

| Natural Susceptibility Ratings | |
|--------------------------------|-----------|
| 40 to 50 pts | Very High |
| 30 to < 40 pts | High |
| 20 to < 30 pts | Medium |
| < 20 pts | Low |

The DGSD-Delta School/Vocational Education water well is in an unconfined aquifer. Unconfined aquifers are more susceptible to potential groundwater quality impacts posed by the migration of surface water contaminants downward from the surface. Table 2 shows the susceptibility scores and ratings for this PWS.

Table 2. Susceptibility

| | Score | Rating |
|--------------------------------|-------|-----------|
| Susceptibility of the Wellhead | 0 | Low |
| Susceptibility of the Aquifer | 25 | Very High |
| Natural Susceptibility | 25 | Medium |

Contaminant risks to a drinking water source depend on the type, number or density, and distribution of contaminant sources. This score has been derived from an examination of existing and historical contamination that has been detected at the drinking water source through routine sampling. It also evaluates potential sources of contamination. Flow charts are used to assign a point score, and ratings are assigned in the same way as for the natural susceptibility:

| Contaminant Risk Ratings | |
|--------------------------|-----------|
| 40 to 50 pts | Very High |
| 30 to < 40 pts | High |
| 20 to < 30 pts | Medium |
| < 20 pts | Low |

Table 3 summarizes the Contaminant Risks for each category of drinking water contaminants.

Table 3. Contaminant Risks

| Category | Score | Rating |
|-----------------------------|-------|-----------|
| Bacteria and Viruses | 50 | Very High |
| Nitrates and/or Nitrites | 50 | Very High |
| Volatile Organic Chemicals | 50 | Very High |
| Heavy Metals, Cyanide and | | |
| Other Inorganic Chemicals | 37 | High |
| Synthetic Organic Chemicals | 50 | Very High |
| Other Organic Chemicals | 50 | Very High |

Finally, an overall vulnerability score is assigned for each water system by combining each of the contaminant risk scores with the natural susceptibility score:

$$\begin{array}{r}
 \text{Natural Susceptibility (0 – 50 points)} \\
 + \\
 \text{Contaminant Risks (0 – 50 points)} \\
 = \\
 \text{Vulnerability of the} \\
 \text{Drinking Water Source to Contamination (0 – 100).}
 \end{array}$$

Again, rankings are assigned according to a point score:

| Overall Vulnerability Ratings | |
|-------------------------------|-----------|
| 80 to 100 pts | Very High |
| 60 to < 80 pts | High |
| 40 to < 60 pts | Medium |
| < 40 pts | Low |

Table 4 contains the overall vulnerability scores (0 – 100) and ratings for each of the six categories of drinking water contaminants. Note: scores are rounded off to the nearest five.

Table 4. Overall Vulnerability

| Category | Score | Rating |
|-----------------------------|-------|--------|
| Bacteria and Viruses | 75 | High |
| Nitrates and Nitrites | 75 | High |
| Volatile Organic Chemicals | 75 | High |
| Heavy Metals, Cyanide and | | |
| Other Inorganic Chemicals | 60 | High |
| Synthetic Organic Chemicals | 75 | High |
| Other Organic Chemicals | 75 | High |

Bacteria and Viruses

The contaminant risk for bacteria and viruses is **Very High**. The risk is primarily attributed to the presence of a domestic wastewater treatment plant disposal pond/lagoon and large-capacity septic systems in Zones A and B. Other potential contaminant sources are also found within the protection area (see Table 2 – Appendix B).

Coliform (a bacteria) are found naturally in the environment and although they aren't necessarily a health threat, they are an indicator of other potentially harmful bacteria in the water, more specifically, fecal coliform and E. coli, which only come from human and animal fecal waste. Harmful bacteria can cause diarrhea, cramps, nausea, headaches, or other symptoms (EPA, 2003).

Positive bacteria counts have been reported in recent (within five years) sampling events (See Chart 3 – Contaminant Risks for Bacteria and Viruses in Appendix D). Only a small amount of bacteria and viruses are required to endanger public health.

After combining the contaminant risk for bacteria and viruses with the natural susceptibility of the well, the overall vulnerability of the well to contamination is **High**.

Nitrates and Nitrites

The contaminant risk for nitrates and nitrites is **Very High**. The risk to this source of public drinking water is primarily attributed to the presence of cropland, a domestic wastewater treatment plant disposal pond/lagoon and large-capacity septic systems in Zones A, B, and C. Other potential contaminant sources are also found within the protection area (see Table 3 – Appendix B).

Nitrates are very mobile, moving at approximately the same rate as water. The sampling history for this well indicates that low levels of nitrates have been detected in recent sampling events. However, the reported concentrations of nitrates do not exceed the maximum contaminant level (MCL) of 10 mg/L.

Nitrate concentrations in uncontaminated groundwater are typically less than 2 mg/L; therefore, nitrate concentrations above 2 mg/L may be indicative of man-made sources (See Chart 5 - Contaminant Risks for Nitrates and/or Nitrites in Appendix D).

Nitrate levels are often derived from the decomposition of organic matter in soils. Although

the nitrate source is unknown, such occurrences may be attributed to septic systems or other sources.

After combining the contaminant risk for nitrates and nitrites with the natural susceptibility of the well, the overall vulnerability of the well to nitrate and nitrite contamination is **High**.

Volatile Organic Chemicals

The contaminant risk for volatile organic chemicals is **Very High**. The risk is primarily attributed to the presence of a petroleum product bulk station/terminal located in Zone A. Other potential contaminant sources are also found within the protection area (see Table 4 – Appendix B).

All recent sampling data for VOCs were below the detection levels for DGSD-Delta School/Vocational Education (See Chart 7 – Contaminant Risks for Volatile Organic Chemicals in Appendix D).

After combining the contaminant risk for volatile organic chemicals with the natural susceptibility of the well, the overall vulnerability of the well to contamination is **High**.

Heavy Metals, Cyanide and Other Inorganic Chemicals

The contaminant risk for heavy metals, cyanide and other inorganic chemicals is **High**. The risk is primarily attributed to the presence of cropland, motor/motor vehicle repair shops, underground gasoline tanks, closed lubricant or other petroleum product tanks, wastewater holding tanks, and electric power generation located in Zone A. Other potential contaminant sources are also found within the protection area (see Table 5 – Appendix B).

Based on review of recent sampling records for this public water system, low levels of barium have been detected in recent sampling history. The analyte did not exceed the MCL of 2.0 mg/L (see Chart 9 – Contaminant Risks for Heavy Metals, Cyanide, and Other Inorganic Chemicals in Appendix D).

The reported concentration of barium is likely attributed to a man made source. Barium exists in nature only in ores containing mixtures of elements. It is used in making a wide variety of products, and is used in well drilling operations where it is directly released into the ground (EPA, 2002).

After combining the contaminant risk for heavy metals, cyanide and other inorganic chemicals with the natural susceptibility of the well, the overall vulnerability of the well to contamination is **High**.

Synthetic Organic Chemicals

The contaminant risk for synthetic organic chemicals is **Very High**. The risk is primarily attributed to the presence of cropland in Zone A. Other potential contaminant sources are also found within the protection area (see Table 6 – Appendix B).

No recent sampling data was available in ADEC records for DGSD-Delta School/Vocational Education (See Chart 11 – Contaminant Risks for Synthetic Organic Chemicals in Appendix D).

After combining the contaminant risk for synthetic organic chemicals with the natural susceptibility of the well, the overall vulnerability of the well to contamination is **High**.

Other Organic Chemicals

The contaminant risk for other organic chemicals is **Very High**. The risk is primarily attributed to the presence of a petroleum product bulk station/terminal and electric power generation in Zone A. Other potential contaminant sources are also found within the protection area (see Table 7 – Appendix B).

No recent sampling data was available in ADEC records for DGSD-Delta School/Vocational Education (See Chart 13 – Contaminant Risks for Other Organic Chemicals in Appendix D).

After combining the contaminant risk for other organic chemicals with the natural susceptibility of the well, the overall vulnerability of the well to contamination is **High**.

Using the Source Water Assessment

This assessment of contaminant risks can be used as a foundation for local voluntary protection efforts as well as a basis for the continuous efforts on the part of DGSD-Delta School/Vocational Education and the community of Delta Junction to protect public health. It is anticipated that Source Water Assessments will be updated every five years to reflect any changes in the vulnerability and/or susceptibility of the drinking water source.

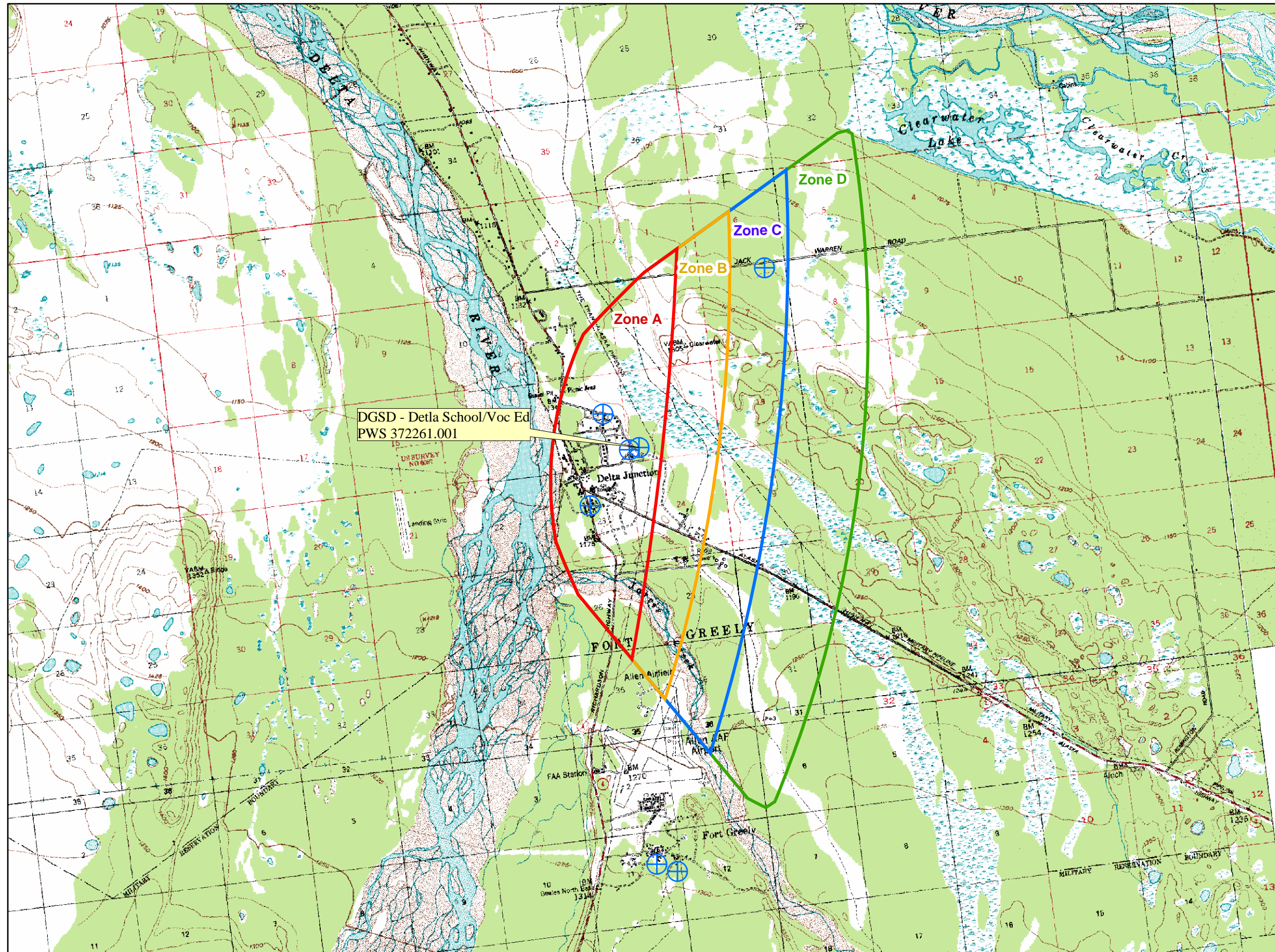
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APPENDIX A

Drinking Water Protection Area Location Map (Map A)

Public Water Well System for PWS #372261.001 DGSD - Delta School/Voc Ed



LEGEND

⊕ Public Water System Well

Hydrography/Physical

- ▭ Parcels
- ~ Stream
- ▭ Lake or Pond
- ~ Contours

Transportation

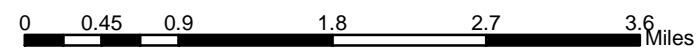
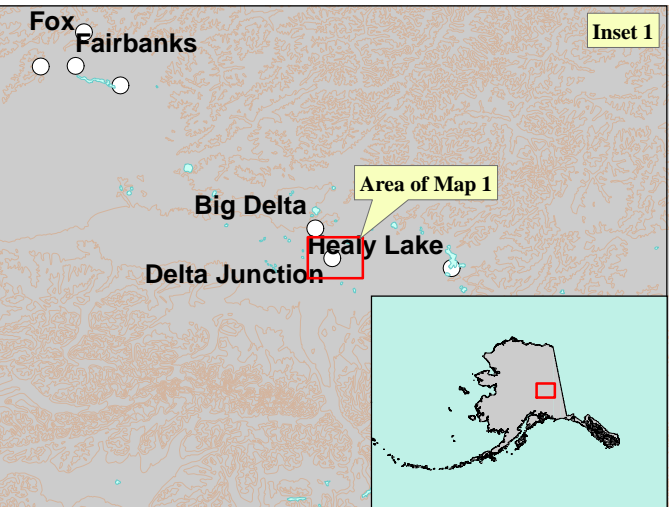
- Primary Route (Class 1)
- - - Secondary Route (Class 2)
- Road (Class 3)
- ⋯ Road (Class 4)
- ⋯ Road (Class 5, Four-wheel drive)

Protection Zones

- ▭ Zone A Protection Area— Several Months Travel Time
- ▭ Zone B Protection Area— 2 Years Travel Time
- ▭ Zone C Protection Area— 5 Years Travel Time
- ▭ Zone D Protection Area— 10 Years Travel Time

Data Sources:

- Contaminant Sources, Public Water System Wells, Contours Alaska Department of Environmental Conservation (ADEC)
- Critical Facilities, Federal Emergency Management Agency (FEMA)
- All other data:
- United States Geological Survey (USGS)
- Drinking Water Protection Areas based on "Alaska Drinking Water Protection Program - Guidance Manual for Class A"
- Public Water Systems" published by ADEC
- URS Corporation does not guarantee the accuracy or validity of the data provided.



APPENDIX B

Contaminant Source Inventory and Risk Ranking (Tables 1-7)

Table 1

**Contaminant Source Inventory for
DGSD-Delta School/Voc Ed.**

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Map Number | Comments |
|---|------------------------------|------------------|-------------|-------------------|--|
| Cropland | A02 | A02-01 | A | C | ALASKA FARMERS |
| Cropland | A02 | A02-02 | A | C | AGRICULTURAL/FO |
| Gasoline stations (without repair shop) | C15 | C15-01 | A | C | Delta Texaco |
| Gasoline stations (without repair shop) | C15 | C15-02 | A | C | OK FUEL CO. |
| Gasoline stations (with repair shop) | C16 | C16-01 | A | C | JACKS SERVICE |
| Gasoline stations (with repair shop) | C16 | C16-02 | A | C | BUFFALO SERVICE |
| Motor /motor vehicle repair shops | C31 | C31-01 | A | C | DELTA WINDSHIEL |
| Domestic wastewater treatment plant disposal ponds/lagoons | D02 | D02-01 | A | C | Assume one sewage disposal pond/lagoon in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-01 | A | C | BAY HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-02 | A | C | BIG D BAR |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-03 | A | C | DIEHLS SHOPPING |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-04 | A | C | CENTRE DEV-CENT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-05 | A | C | CHEROKEE TWO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-06 | A | C | CLUB EVERGREEN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-07 | A | C | DELTA SENIOR CO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-08 | A | C | DELTA FOOD MART |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-09 | A | C | DELTA/GREELY SD |

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Map Number | Comments |
|---|------------------------------|------------------|-------------|-------------------|--|
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-10 | A | C | CS HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-11 | A | C | DELTA DINER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-12 | A | C | DELTA CITY PARK |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-13 | A | C | FT GREELY LODGE |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-14 | A | C | DELTA VISITORS |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-15 | A | C | STAN ORCUTT APT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-16 | A | C | LIVING WORD ACA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-17 | A | C | MT HAYES COMMER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-18 | A | C | TOMS INN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-19 | A | C | PIZZA BELLA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-20 | A | C | LARRY'S APARTME |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-21 | A | C | KELLYS MOTEL/WI |
| Septic systems (serves one single-family home) | R02 | R02-01 | A | C | Assume 100 or less individual septic systems in Zone A |
| Tanks, heating oil, residential (above ground) | R08 | R08-01 | A | C | Assume 230 or less residential heating oil tanks in Zone A |
| Tanks, diesel (underground) | T08 | T08-01 | A | C | FORT GREELY |
| Tanks, diesel (underground) | T08 | T08-02 | A | C | FORT GREELY |
| Tanks, diesel (underground) | T08 | T08-03 | A | C | FORT GREELY |
| Tanks, diesel (underground) | T08 | T08-04 | A | C | FORT GREELY |
| Tanks, diesel (underground) | T08 | T08-05 | A | C | FORT GREELY |

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Map Number | Comments |
|------------------------------------|------------------------------|------------------|-------------|-------------------|-----------------|
| Tanks, diesel (underground) | T08 | T08-06 | A | C | Delta Texaco |
| Tanks, diesel (underground) | T08 | T08-07 | A | C | Delta Texaco |
| Tanks, diesel (underground) | T08 | T08-08 | A | C | Delta Texaco |
| Tanks, diesel (underground) | T08 | T08-09 | A | C | DELTA MOTORS |
| Tanks, diesel (underground) | T08 | T08-10 | A | C | ADOTPF - DELTA |
| Tanks, diesel (underground) | T08 | T08-11 | A | C | JACKS SERVICE |
| Tanks, diesel (underground) | T08 | T08-12 | A | C | OK FUEL CO. |
| Tanks, diesel (underground) | T08 | T08-13 | A | C | BUFFALO SERVICE |
| Tanks, diesel (underground) | T08 | T08-14 | A | C | DELTA JUNCTION |
| Tanks, diesel (underground) | T08 | T08-15 | A | C | AGRICULTURAL/FO |
| Closed tanks, diesel (underground) | T09 | T09-01 | A | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-02 | A | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-03 | A | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-04 | A | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-05 | A | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-06 | A | C | PUMP STATION #9 |
| Closed tanks, diesel (underground) | T09 | T09-07 | A | C | PUMP STATION #1 |
| Closed tanks, diesel (underground) | T09 | T09-08 | A | C | BUFFALO SERVICE |
| Closed tanks, diesel (underground) | T09 | T09-09 | A | C | BUFFALO SERVICE |
| Tanks, gasoline (underground) | T12 | T12-01 | A | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-02 | A | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-03 | A | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-04 | A | C | FORT GREELY |

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Map Number | Comments |
|--|------------------------------|------------------|-------------|-------------------|-----------------|
| Tanks, gasoline (underground) | T12 | T12-05 | A | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-06 | A | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-07 | A | C | Delta Texaco |
| Tanks, gasoline (underground) | T12 | T12-08 | A | C | Delta Texaco |
| Tanks, gasoline (underground) | T12 | T12-09 | A | C | DELTA MOTORS |
| Tanks, gasoline (underground) | T12 | T12-10 | A | C | DELTA MOTORS |
| Tanks, gasoline (underground) | T12 | T12-11 | A | C | DELTA MOTORS |
| Tanks, gasoline (underground) | T12 | T12-12 | A | C | JACKS SERVICE |
| Tanks, gasoline (underground) | T12 | T12-13 | A | C | JACKS SERVICE |
| Tanks, gasoline (underground) | T12 | T12-14 | A | C | OK FUEL CO. |
| Tanks, gasoline (underground) | T12 | T12-15 | A | C | BUFFALO SERVICE |
| Tanks, gasoline (underground) | T12 | T12-16 | A | C | AGRICULTURAL/FO |
| Closed tanks, gasoline (underground) | T13 | T13-01 | A | C | FORT GREELY |
| Closed tanks, gasoline (underground) | T13 | T13-02 | A | C | PUMP STATION #9 |
| Closed tanks, gasoline (underground) | T13 | T13-03 | A | C | PUMP STATION #1 |
| Closed tanks, gasoline (underground) | T13 | T13-04 | A | C | BUFFALO SERVICE |
| Closed tanks, gasoline (underground) | T13 | T13-05 | A | C | BUFFALO SERVICE |
| Closed tanks, gasoline (underground) | T13 | T13-06 | A | C | BUFFALO SERVICE |
| Closed tanks, gasoline (underground) | T13 | T13-07 | A | C | ADNR - DIV OF F |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-01 | A | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-02 | A | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-03 | A | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-04 | A | C | FORT GREELY |

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Map Number | Comments |
|--|------------------------------|------------------|-------------|-------------------|-----------------|
| Tanks, heating oil, nonresidential (underground) | T16 | T16-05 | A | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-06 | A | C | OK FUEL CO. |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-07 | A | C | OK FUEL CO. |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-08 | A | C | Delta Greely Le |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-01 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-02 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-03 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-04 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-05 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-06 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-07 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-08 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-09 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-10 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-11 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-12 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-13 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-14 | A | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-15 | A | C | FORT GREELY |
| Closed tanks, lubricants or other petroleum products (underground) | T21 | T21-01 | A | C | FORT GREELY |
| Closed tanks, lubricants or other petroleum products (underground) | T21 | T21-02 | A | C | ADOTPF - DELTA |
| Closed tanks, lubricants or other petroleum products (underground) | T21 | T21-03 | A | C | BUFFALO SERVICE |
| Closed tanks, lubricants or other petroleum products (underground) | T21 | T21-04 | A | C | BUFFALO SERVICE |

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Map Number | Comments |
|---|------------------------------|------------------|-------------|-------------------|---|
| Wastewater Holding Tank | T22 | T22-01 | A | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-02 | A | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-03 | A | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-04 | A | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-05 | A | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-06 | A | C | FORT GREELY |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-01 | A | C | Oklahoma Range A-10 Site. Reckey: 199531X128301. Status: Inactive. Site of crash of A-10 jet from Eielson AFB on 10/10/95. Site is on Fort Greely Oklahoma bombing range. DRO of 9,490 ppm remain on site. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-02 | A | C | AHFC Properties. Reckey: 1992330923001. Status: Inactive. Diesel fuel spill - quantity and date not specified. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-03 | A | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-04 | A | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-05 | A | C | Tenderfoot Creek Pipeline Spill. Reckey: 197233X129801. Status: Inactive. Jet fuel spill from break in Haines-Fairbanks pipeline. Heavy fuel contamination of Tenderfoot Creek and valley, possibly Tanana River. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-06 | A | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-07 | A | C | Pioneer Equipment Facility. Reckey: 1992330107901. Status: Inactive. Barrels of waste oil and oil contaminated soil. Groundwater of surface water impact unlikely. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-08 | A | C | Earl Mitchell Farm Estate.Reckey:1992330907901.Status:Inactive.Approximately 30 55-gallon drums containing petroleum prod or engine fluids scattered and ruptured. 2nd site w/ 8 drums, 1 leaking crankcase oil.Multiple stained spots, old batteries, etc. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-09 | A | C | ADOT&PF Delta Maintenance Facility. Reckey: 1992330934201. Status: Inactive. Removal of 3,000 gal HOT resulted in excavation of 135 cu yds of soil. Drinking water well 50 ft from tank location not contaminated. |

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Map Number | Comments |
|---|------------------------------|------------------|-------------|-------------------|--|
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-10 | A | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-11 | A | C | Site Name: Fort Greely SMDC Bldg. 606. Reckey: 199233X930603. Status: Inactive. Waste oil, chlorinated solvents, and antifreeze have been discharged to drains and possibly to gravel pad around building. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-12 | A | C | Alyeska PS 09 Therminol Release. Reckey: 1998720118201. Status: Active. Therminol spilled at Tank 197 are 200 gallons and at Tank 198 is less than 55 gallons of Therminol. Municipal well within 500 ft. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-13 | A | C | Alyeska PS 09 Former Mainline Turbn.Reckey:1996720127501.Status:Active.Petroleum hydrocarbon-impacted soil found extending to depth of approx 110 ft bgs. Thin layer of free-phase petroleum hydrocarbons found on the water table in MW-1. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-14 | A | C | FAA Big Delta Station. Reckey: 1994330134901. Status: Active. Possible gasoline & diesel contamination. Pool of tar observed at DF facility. Multiple contamination sites associated with above ground tanks w/ DRO between 7,800-33,000 mg/kg. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-15 | A | C | Alyeska PS 09 Fuel Island. Reckey: 1995720120201. Status: Closed. Diesel fuel contamination discovered during demolition of fuel island at pump stn 9. Contamination excavated and stockpiled. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-16 | A | C | Fort Greely SMDC P. 113 POL. Reckey: 199633X127501. Status: Active. DRO is above migration to groundwater. Diesel fuel detected in soil during BRAC site characterization. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-17 | A | C | Fort Greely SMDC P. 112 Salvage. Reckey: 199633X927501. Status: Active. Site 112 was formerly a fenced salvage yard. Contaminants of concern include: GRO, DRO, RRO, VOCs, SVOCs, and pesticides. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-18 | A | C | Fort Greely SMDC P. 77 Bldg 340. Reckey: 199633X127503. Status: Active. DRO above migration to groundwater. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-19 | A | C | Fort Greely SMDC P. 76 Bldg 352. Reckey: 199633X927502. Status: Active. Diesel and SVOC contamination under Building 351. 100 gallons of diesel fuel spilled was reported sometime in 1992. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-20 | A | C | Alyeska PS 09 Turbine Fuel Spill Reckey:1992720121901.Status:Inactive.180 gal turbine fuel spill.Approx 75 cu yds contaminated soils removed.Excavation discontinued at max depth of approx 4.5 ft below original grade. Contam still below perm structures. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-01 | A | C | Ft. Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-02 | A | C | Ft. Greely |

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Map Number | Comments |
|---|------------------------------|------------------|-------------|-------------------|---|
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-03 | A | C | Ft. Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-04 | A | C | Fort Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-05 | A | C | FORT GREELY |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-06 | A | C | Delta Texaco. Reckey: 1989330029601. Facility: 125. Event: 12. Status: The fill piping on a 12,000 gallon gasoline tank was found to be leaking. The tank was drained and a cleanup study ordered by Tesoro. Amount, type, and extent of contamination unknown. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-07 | A | C | Delta Motors. Reckey: 1995330033501. Facility: 192. Event: 1243. Status: Mike Jaynes spoke with Larry Hutto who stated he had no tanks initially then admitted he closed tanks in place in 1989 before deadline. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-08 | A | C | FAA - Delta Junction. Reckey: 1999330002201. Facility: 865. Event: 2014. Status: LUST site inferred due to treatment methods discussed. Closure Notice 5/19/97. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-09 | A | C | ADOTPF - Delta Jct Maintenance Camp. Reckey: 1991330014101. Facility: 1557. Event: 22. Status: Petroleum release from UST associated with asphalt heater. Evidence of 12 ft. plume extending downward. Human health and contamination impact unknown. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-10 | A | C | Chevron - Jacks. Reckey: 1990330017601. Facility: 1776. Event: 17. Status: S.A. done 8/15/94 w/USTs in place. High levels GRO & DRO 'ween 7-9 ft. bgs @ gasoline dispensers & diesel UST. 11,500-19,500 ppm GRO w/DRO 1,200-1,400 ppm. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-11 | A | C | Buffalo Service Station.Reckey:1991310008701.Facility:1599.Event:1271.Needed re-waste oil UST, proper disposal of w.o. UST contents contam soils, installed passive soil venting in piping, remediation of contaminated soil from 6 USTs clsd-in-plc '96. |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-01 | A | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-02 | A | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-03 | A | C | CRAIG TAYLOR EP |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-04 | A | C | ALASKA FARMERS |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-05 | A | C | GLACIER STATE T |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-06 | A | C | DELTA JUNCTION |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-07 | A | C | SOURDOUGH FUEL |

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Map Number | Comments |
|---|------------------------------|------------------|-------------|-------------------|--|
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-08 | A | C | ADNR - DIV OF F |
| Petroleum product bulk station/terminals | X11 | X11-01 | A | C | Assume one petroleum product bulk station/terminal in Zone A |
| Government vehicle maintenance facilities | X19 | X19-01 | A | C | FORT GREELY |
| Government vehicle maintenance facilities | X19 | X19-02 | A | C | ADOTPF - DELTA |
| Highways and roads, dirt/gravel | X24 | X24-01 | A | C | Assume 1-20 roads in Zone A |
| Electric power generation (fossil fuels) | X36 | X36-01 | A | C | FORT GREELY |
| Pump Stations (oil and gas) | X43 | X43-01 | A | C | PUMP STATION #9 |
| Pump Stations (oil and gas) | X43 | X43-02 | A | C | PUMP STATION #1 |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-22 | B | C | BERGSTADS TRAIL |
| Septic systems (serves one single-family home) | R02 | R02-02 | B | C | Assume 100 or less individual septic systems in Zone B |
| Highways and roads, dirt/gravel | X24 | X24-02 | B | C | Assume 1-20 roads in Zone B |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-23 | C | C | TROPHY LODGE |
| Airports | X14 | X14-01 | C | C | ALLEN AAF AIRPORT |
| Highways and roads, dirt/gravel | X24 | X24-03 | C | C | Assume 1-20 roads in Zone C |
| Tanks, gasoline (underground) | T12 | T12-17 | D | C | CLEAR H-2-O |
| Tanks, heating oil, nonresidential (aboveground) | T14 | T14-01 | D | C | DELTA GREELY CORRESPONDENCE |
| Tanks, heating oil, nonresidential (aboveground) | T14 | T14-02 | D | C | DELTA JUNCTION ELEMENTARY |
| Tanks, heating oil, nonresidential (aboveground) | T14 | T14-03 | D | C | DELTA JUNCTION HIGH SCHOOL |
| Tanks, heating oil, nonresidential (aboveground) | T14 | T14-04 | D | C | FORT GREELY SCHOOL |
| Tanks, heating oil, nonresidential (aboveground) | T14 | T14-05 | D | C | HEALY LAKE SCHOOL |
| Tanks, heating oil, nonresidential (aboveground) | T14 | T14-06 | D | C | NEW HOPE COMMUNITY CHURCH TRAI |
| Tanks, heating oil, nonresidential (aboveground) | T14 | T14-07 | D | C | DOT LAKE SCHOOL |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Bacteria and Viruses*

PWSID 372261.001

Table 2

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Domestic wastewater treatment plant disposal ponds/lagoons | D02 | D02-01 | A | High | C | Assume one sewage disposal pond/lagoon in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-01 | A | High | C | BAY HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-02 | A | High | C | BIG D BAR |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-03 | A | High | C | DIEHLS SHOPPING |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-04 | A | High | C | CENTRE DEV-CENT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-05 | A | High | C | CHEROKEE TWO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-06 | A | High | C | CLUB EVERGREEN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-07 | A | High | C | DELTA SENIOR CO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-08 | A | High | C | DELTA FOOD MART |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-09 | A | High | C | DELTA/GREELY SD |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-10 | A | High | C | CS HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-11 | A | High | C | DELTA DINER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-12 | A | High | C | DELTA CITY PARK |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-13 | A | High | C | FT GREELY LODGE |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-14 | A | High | C | DELTA VISITORS |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Bacteria and Viruses*

PWSID 372261.001

Table 2 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-15 | A | High | C | STAN ORCUTT APT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-16 | A | High | C | LIVING WORD ACA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-17 | A | High | C | MT HAYES COMMER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-18 | A | High | C | TOMS INN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-19 | A | High | C | PIZZA BELLA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-20 | A | High | C | LARRY'S APARTME |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-21 | A | High | C | KELLYS MOTEL/WI |
| Septic systems (serves one single-family home) | R02 | R02-01 | A | Low | C | Assume 100 or less individual septic systems in Zone A |
| Wastewater Holding Tank | T22 | T22-01 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-02 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-03 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-04 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-05 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-06 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-01 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-02 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-03 | A | Low | C | CRAIG TAYLOR EP |

Table 2 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Bacteria and Viruses*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-04 | A | Low | C | ALASKA FARMERS |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-05 | A | Low | C | GLACIER STATE T |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-06 | A | Low | C | DELTA JUNCTION |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-07 | A | Low | C | SOURDOUGH FUEL |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-08 | A | Low | C | ADNR - DIV OF F |
| Highways and roads, dirt/gravel | X24 | X24-01 | A | Low | C | Assume 1-20 roads in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-22 | B | High | C | BERGSTADS TRAIL |
| Septic systems (serves one single-family home) | R02 | R02-02 | B | Low | C | Assume 100 or less individual septic systems in Zone B |
| Highways and roads, dirt/gravel | X24 | X24-02 | B | Low | C | Assume 1-20 roads in Zone B |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Nitrates/Nitrites*

PWSID 372261.001

Table 3

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Cropland | A02 | A02-01 | A | High | C | ALASKA FARMERS |
| Cropland | A02 | A02-01 | A | High | C | ALASKA FARMERS |
| Cropland | A02 | A02-02 | A | High | C | AGRICULTURAL/FO |
| Domestic wastewater treatment plant disposal ponds/lagoons | D02 | D02-01 | A | High | C | Assume one sewage disposal pond/lagoon in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-01 | A | High | C | BAY HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-02 | A | High | C | BIG D BAR |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-03 | A | High | C | DIEHLS SHOPPING |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-04 | A | High | C | CENTRE DEV-CENT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-05 | A | High | C | CHEROKEE TWO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-06 | A | High | C | CLUB EVERGREEN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-07 | A | High | C | DELTA SENIOR CO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-08 | A | High | C | DELTA FOOD MART |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-09 | A | High | C | DELTA/GREELY SD |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-10 | A | High | C | CS HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-11 | A | High | C | DELTA DINER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-12 | A | High | C | DELTA CITY PARK |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Nitrates/Nitrites*

PWSID 372261.001

Table 3 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-13 | A | High | C | FT GREELY LODGE |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-14 | A | High | C | DELTA VISITORS |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-15 | A | High | C | STAN ORCUTT APT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-16 | A | High | C | LIVING WORD ACA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-17 | A | High | C | MT HAYES COMMER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-18 | A | High | C | TOMS INN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-19 | A | High | C | PIZZA BELLA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-20 | A | High | C | LARRY'S APARTME |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-21 | A | High | C | KELLYS MOTEL/WI |
| Septic systems (serves one single-family home) | R02 | R02-01 | A | Low | C | Assume 100 or less individual septic systems in Zone A |
| Wastewater Holding Tank | T22 | T22-01 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-02 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-03 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-04 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-05 | A | Low | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-06 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-01 | A | Low | C | FORT GREELY |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Nitrates/Nitrites*

PWSID 372261.001

Table 3 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-02 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-03 | A | Low | C | CRAIG TAYLOR EP |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-04 | A | Low | C | ALASKA FARMERS |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-05 | A | Low | C | GLACIER STATE T |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-06 | A | Low | C | DELTA JUNCTION |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-07 | A | Low | C | SOURDOUGH FUEL |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-08 | A | Low | C | ADNR - DIV OF F |
| Highways and roads, dirt/gravel | X24 | X24-01 | A | Low | C | Assume 1-20 roads in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-22 | B | High | C | BERGSTADS TRAIL |
| Septic systems (serves one single-family home) | R02 | R02-02 | B | Low | C | Assume 100 or less individual septic systems in Zone B |
| Highways and roads, dirt/gravel | X24 | X24-02 | B | Low | C | Assume 1-20 roads in Zone B |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-23 | C | High | C | TROPHY LODGE |
| Airports | X14 | X14-01 | C | Low | C | ALLEN AAF AIRPORT |
| Highways and roads, dirt/gravel | X24 | X24-03 | C | Low | C | Assume 1-20 roads in Zone C |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals*

PWSID 372261.001

Table 4

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Gasoline stations (without repair shop) | C15 | C15-01 | A | High | C | Delta Texaco |
| Gasoline stations (without repair shop) | C15 | C15-02 | A | High | C | OK FUEL CO. |
| Gasoline stations (with repair shop) | C16 | C16-01 | A | High | C | JACKS SERVICE |
| Gasoline stations (with repair shop) | C16 | C16-02 | A | High | C | BUFFALO SERVICE |
| Motor /motor vehicle repair shops | C31 | C31-01 | A | Medium | C | DELTA WINDSHIEL |
| Domestic wastewater treatment plant disposal ponds/lagoons | D02 | D02-01 | A | Low | C | Assume one sewage disposal pond/lagoon in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-01 | A | Low | C | BAY HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-02 | A | Low | C | BIG D BAR |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-03 | A | Low | C | DIEHLS SHOPPING |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-04 | A | Low | C | CENTRE DEV-CENT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-05 | A | Low | C | CHEROKEE TWO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-06 | A | Low | C | CLUB EVERGREEN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-07 | A | Low | C | DELTA SENIOR CO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-08 | A | Low | C | DELTA FOOD MART |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-09 | A | Low | C | DELTA/GREELY SD |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-10 | A | Low | C | CS HOTEL |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals*

PWSID 372261.001

Table 4 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-11 | A | Low | C | DELTA DINER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-12 | A | Low | C | DELTA CITY PARK |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-13 | A | Low | C | FT GREELY LODGE |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-14 | A | Low | C | DELTA VISITORS |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-15 | A | Low | C | STAN ORCUTT APT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-16 | A | Low | C | LIVING WORD ACA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-17 | A | Low | C | MT HAYES COMMER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-18 | A | Low | C | TOMS INN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-19 | A | Low | C | PIZZA BELLA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-20 | A | Low | C | LARRY'S APARTME |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-21 | A | Low | C | KELLYS MOTEL/WI |
| Septic systems (serves one single-family home) | R02 | R02-01 | A | Low | C | Assume 100 or less individual septic systems in Zone A |
| Tanks, heating oil, residential (above ground) | R08 | R08-01 | A | Medium | C | Assume 230 or less residential heating oil tanks in Zone A |
| Tanks, diesel (underground) | T08 | T08-01 | A | High | C | FORT GREELY |
| Tanks, diesel (underground) | T08 | T08-02 | A | High | C | FORT GREELY |
| Tanks, diesel (underground) | T08 | T08-03 | A | High | C | FORT GREELY |

Table 4 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals*

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| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|------------------------------------|------------------------------|------------------|-------------|----------------------------------|-------------------|-----------------|
| Tanks, diesel (underground) | T08 | T08-04 | A | High | C | FORT GREELY |
| Tanks, diesel (underground) | T08 | T08-05 | A | High | C | FORT GREELY |
| Tanks, diesel (underground) | T08 | T08-06 | A | High | C | Delta Texaco |
| Tanks, diesel (underground) | T08 | T08-07 | A | High | C | Delta Texaco |
| Tanks, diesel (underground) | T08 | T08-08 | A | High | C | Delta Texaco |
| Tanks, diesel (underground) | T08 | T08-09 | A | High | C | DELTA MOTORS |
| Tanks, diesel (underground) | T08 | T08-10 | A | High | C | ADOTPF - DELTA |
| Tanks, diesel (underground) | T08 | T08-11 | A | High | C | JACKS SERVICE |
| Tanks, diesel (underground) | T08 | T08-12 | A | High | C | OK FUEL CO. |
| Tanks, diesel (underground) | T08 | T08-13 | A | High | C | BUFFALO SERVICE |
| Tanks, diesel (underground) | T08 | T08-14 | A | High | C | DELTA JUNCTION |
| Tanks, diesel (underground) | T08 | T08-15 | A | High | C | AGRICULTURAL/FO |
| Closed tanks, diesel (underground) | T09 | T09-01 | A | Medium | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-02 | A | Medium | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-03 | A | Medium | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-04 | A | Medium | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-05 | A | Medium | C | FORT GREELY |
| Closed tanks, diesel (underground) | T09 | T09-06 | A | Medium | C | PUMP STATION #9 |
| Closed tanks, diesel (underground) | T09 | T09-07 | A | Medium | C | PUMP STATION #1 |
| Closed tanks, diesel (underground) | T09 | T09-08 | A | Medium | C | BUFFALO SERVICE |

Table 4 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|--------------------------------------|------------------------------|------------------|-------------|----------------------------------|-------------------|-----------------|
| Closed tanks, diesel (underground) | T09 | T09-09 | A | Medium | C | BUFFALO SERVICE |
| Tanks, gasoline (underground) | T12 | T12-01 | A | High | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-02 | A | High | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-03 | A | High | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-04 | A | High | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-05 | A | High | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-06 | A | High | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-07 | A | High | C | Delta Texaco |
| Tanks, gasoline (underground) | T12 | T12-08 | A | High | C | Delta Texaco |
| Tanks, gasoline (underground) | T12 | T12-09 | A | High | C | DELTA MOTORS |
| Tanks, gasoline (underground) | T12 | T12-10 | A | High | C | DELTA MOTORS |
| Tanks, gasoline (underground) | T12 | T12-11 | A | High | C | DELTA MOTORS |
| Tanks, gasoline (underground) | T12 | T12-12 | A | High | C | JACKS SERVICE |
| Tanks, gasoline (underground) | T12 | T12-13 | A | High | C | JACKS SERVICE |
| Tanks, gasoline (underground) | T12 | T12-14 | A | High | C | OK FUEL CO. |
| Tanks, gasoline (underground) | T12 | T12-15 | A | High | C | BUFFALO SERVICE |
| Tanks, gasoline (underground) | T12 | T12-16 | A | High | C | AGRICULTURAL/FO |
| Closed tanks, gasoline (underground) | T13 | T13-01 | A | Medium | C | FORT GREELY |
| Closed tanks, gasoline (underground) | T13 | T13-02 | A | Medium | C | PUMP STATION #9 |
| Closed tanks, gasoline (underground) | T13 | T13-03 | A | Medium | C | PUMP STATION #1 |

Table 4 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|-----------------|
| Closed tanks, gasoline (underground) | T13 | T13-04 | A | Medium | C | BUFFALO SERVICE |
| Closed tanks, gasoline (underground) | T13 | T13-05 | A | Medium | C | BUFFALO SERVICE |
| Closed tanks, gasoline (underground) | T13 | T13-06 | A | Medium | C | BUFFALO SERVICE |
| Closed tanks, gasoline (underground) | T13 | T13-07 | A | Medium | C | ADNR - DIV OF F |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-01 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-02 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-03 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-04 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-05 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-06 | A | Low | C | OK FUEL CO. |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-07 | A | Low | C | OK FUEL CO. |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-08 | A | Low | C | Delta Greely Le |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-01 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-02 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-03 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-04 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-05 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-06 | A | Medium | C | FORT GREELY |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals*

PWSID 372261.001

Table 4 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-07 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-08 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-09 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-10 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-11 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-12 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-13 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-14 | A | Medium | C | FORT GREELY |
| Closed tanks, heating oil, nonresidential (underground) | T17 | T17-15 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-01 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-02 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-03 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-04 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-05 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-06 | A | Medium | C | FORT GREELY |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-01 | A | High | C | Oklahoma Range A-10 Site. Reckey: 199531X128301. Status: Inactive. Site of crash of A-10 jet from Eielson AFB on 10/10/95. Site is on Fort Greely Oklahoma bombing range. DRO of 9,490 ppm remain on site. |

Table 4 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-02 | A | High | C | AHFC Properties. Reckey: 1992330923001. Status: Inactive. Diesel fuel spill - quantity and date not specified. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-03 | A | High | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-04 | A | High | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-05 | A | High | C | Tenderfoot Creek Pipeline Spill. Reckey: 197233X129801. Status: Inactive. Jet fuel spill from break in Haines-Fairbanks pipeline. Heavy fuel contamination of Tenderfoot Creek and valley, possibly Tanana River. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-06 | A | High | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-07 | A | High | C | Pioneer Equipment Facility. Reckey: 1992330107901. Status: Inactive. Barrels of waste oil and oil contaminated soil. Groundwater of surface water impact unlikely. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-08 | A | High | C | Earl Mitchell Farm Estate.Reckey:1992330907901.Status:Inactive.Approximately 30 55-gallon drums containing petroleum prod or engine fluids scattered and ruptured. 2nd site w/ 8 drums, 1 leaking crankcase oil.Multiple stained spots, old batteries, etc |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-09 | A | High | C | ADOT&PF Delta Maintenance Facility. Reckey: 1992330934201. Status: Inactive. Removal of 3,000 gal HOT resulted in excavation of 135 cu yds of soil. Drinking water well 50 ft from tank location not contaminated. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-10 | A | High | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-11 | A | High | C | Site Name: Fort Greely SMDC Bldg. 606. Reckey: 199233X930603. Status: Inactive. Waste oil, chlorinated solvents, and antifreeze have been discharged to drains and possibly to gravel pad around building. |

Table 4 (continued)

**Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals**

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-12 | A | High | C | Alyeska PS 09 Therminol Release. Reckey: 1998720118201. Status: Active. Therminol spilled at Tank 197 are 200 gallons and at Tank 198 is less than 55 gallons of Therminol. Municipal well within 500 ft. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-13 | A | High | C | Alyeska PS 09 Former Mainline Turbn.Reckey:1996720127501.Status:Active.Petroleum hydrocarbon-impacted soil found extending to depth of approx 110 ft bgs. Thin layer of free-phase petroleum hydrocarbons found on the water table in MW-1. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-14 | A | High | C | FAA Big Delta Station. Reckey: 1994330134901. Status: Active. Possible gasoline & diesel contamination. Pool of tar observed at DF facility. Multiple contamination sites associated with above ground tanks w/ DRO between 7,800-33,000 mg/kg. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-15 | A | High | C | Alyeska PS 09 Fuel Island. Reckey: 1995720120201. Status: Closed. Diesel fuel contamination discovered during demolition of fuel island at pump stn 9. Contamination excavated and stockpiled. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-16 | A | High | C | Fort Greely SMDC P. 113 POL. Reckey: 199633X127501. Status: Active. DRO is above migration to groundwater. Diesel fuel detected in soil during BRAC site characterization. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-17 | A | High | C | Fort Greely SMDC P. 112 Salvage. Reckey: 199633X927501. Status: Active. Site 112 was formerly a fenced salvage yard. Contaminants of concern include: GRO, DRO, RRO, VOCs, SVOCs, and pesticides. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-18 | A | High | C | Fort Greely SMDC P. 77 Bldg 340. Reckey: 199633X127503. Status: Active. DRO above migration to groundwater. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-19 | A | High | C | Fort Greely SMDC P. 76 Bldg 352. Reckey: 199633X927502. Status: Active. Diesel and SVOC contamination under Building 351. 100 gallons of diesel fuel spilled was reported sometime in 1992. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-20 | A | High | C | Alyeska PS 09 Turbine Fuel Spill.Reckey:1992720121901.Status:Inactive.180 gal turbine fuel spill.Approx 75 cu yds contaminated soils removed.Excavation discontinued at max depth of approx 4.5 ft below original grade. Contam still below perm structures. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-01 | A | High | C | Ft. Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-02 | A | High | C | Ft. Greely |

Table 4 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|---|
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-03 | A | High | C | Ft. Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-04 | A | High | C | Fort Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-05 | A | High | C | FORT GREELY |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-06 | A | High | C | Delta Texaco. Reckey: 1989330029601. Facility: 125. Event: 12. Status: The fill piping on a 12,000 gallon gasoline tank was found to be leaking. The tank was drained and a cleanup study ordered by Tesoro. Amount, type, and extent of contamination unknown. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-07 | A | High | C | Delta Motors. Reckey: 1995330033501. Facility: 192. Event: 1243. Status: Mike Jaynes spoke with Larry Hutto who stated he had no tanks initially then admitted he closed tanks in place in 1989 before deadline. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-08 | A | High | C | FAA - Delta Junction. Reckey: 1999330002201. Facility: 865. Event: 2014. Status: LUST site inferred due to treatment methods discussed. Closure Notice 5/19/97. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-09 | A | High | C | ADOTPF - Delta Jct Maintenance Camp. Reckey: 1991330014101. Facility: 1557. Event: 22. Status: Petroleum release from UST associated with asphalt heater. Evidence of 12 ft. plume extending downward. Human health and contamination impact unknown. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-10 | A | High | C | Chevron - Jacks. Reckey: 1990330017601. Facility: 1776. Event: 17. Status: S.A. done 8/15/94 w/USTs in place. High levels GRO & DRO 'ween 7-9 ft. bgs @ gasoline dispensers & diesel UST. 11,500-19,500 ppm GRO w/DRO 1,200-1,400 ppm. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-11 | A | High | C | Buffalo Service Station.Reckey:1991310008701.Facility:1599.Event:1271.Needed re-waste oil UST, proper disposal of w.o. UST contents contam soils, installed passive soil venting in piping, remediation of contaminated soil from 6 USTs clsed-in-plc '96. |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-01 | A | High | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-02 | A | High | C | FORT GREELY |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Volatile Organic Chemicals*

PWSID 372261.001

Table 4 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-03 | A | High | C | CRAIG TAYLOR EP |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-04 | A | High | C | ALASKA FARMERS |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-05 | A | High | C | GLACIER STATE T |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-06 | A | High | C | DELTA JUNCTION |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-07 | A | High | C | SOURDOUGH FUEL |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-08 | A | High | C | ADNR - DIV OF F |
| Petroleum product bulk station/terminals | X11 | X11-01 | A | Very High | C | Assume one petroleum product bulk station/terminal in Zone A |
| Government vehicle maintenance facilities | X19 | X19-01 | A | Medium | C | FORT GREELY |
| Government vehicle maintenance facilities | X19 | X19-02 | A | Medium | C | ADOTPF - DELTA |
| Highways and roads, dirt/gravel | X24 | X24-01 | A | Low | C | Assume 1-20 roads in Zone A |
| Electric power generation (fossil fuels) | X36 | X36-01 | A | Medium | C | FORT GREELY |
| Pump Stations (oil and gas) | X43 | X43-01 | A | Low | C | PUMP STATION #9 |
| Pump Stations (oil and gas) | X43 | X43-02 | A | Low | C | PUMP STATION #1 |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-22 | B | Low | C | BERGSTADS TRAIL |
| Septic systems (serves one single-family home) | R02 | R02-02 | B | Low | C | Assume 100 or less individual septic systems in Zone B |
| Highways and roads, dirt/gravel | X24 | X24-02 | B | Low | C | Assume 1-20 roads in Zone B |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-23 | C | Low | C | TROPHY LODGE |

*Contaminant Source Inventory and Risk Ranking for
 DGSD-Delta School/Voc Ed.
 Sources of Volatile Organic Chemicals*

PWSID 372261.001

Table 4 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---------------------------------|------------------------------|------------------|-------------|----------------------------------|-------------------|-----------------------------|
| Airports | X14 | X14-01 | C | High | C | ALLEN AAF AIRPORT |
| Highways and roads, dirt/gravel | X24 | X24-03 | C | Low | C | Assume 1-20 roads in Zone C |
| Tanks, gasoline (underground) | T12 | T12-17 | D | High | C | CLEAR H-2-O |

Table 5

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals*

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Cropland | A02 | A02-01 | A | Medium | C | ALASKA FARMERS |
| Cropland | A02 | A02-01 | A | Medium | C | ALASKA FARMERS |
| Cropland | A02 | A02-02 | A | Medium | C | AGRICULTURAL/FO |
| Gasoline stations (without repair shop) | C15 | C15-01 | A | Low | C | Delta Texaco |
| Gasoline stations (without repair shop) | C15 | C15-02 | A | Low | C | OK FUEL CO. |
| Gasoline stations (with repair shop) | C16 | C16-01 | A | Low | C | JACKS SERVICE |
| Gasoline stations (with repair shop) | C16 | C16-02 | A | Low | C | BUFFALO SERVICE |
| Motor /motor vehicle repair shops | C31 | C31-01 | A | Medium | C | DELTA WINDSHIEL |
| Domestic wastewater treatment plant disposal ponds/lagoons | D02 | D02-01 | A | Low | C | Assume one sewage disposal pond/lagoon in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-01 | A | Low | C | BAY HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-02 | A | Low | C | BIG D BAR |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-03 | A | Low | C | DIEHLS SHOPPING |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-04 | A | Low | C | CENTRE DEV-CENT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-05 | A | Low | C | CHEROKEE TWO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-06 | A | Low | C | CLUB EVERGREEN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-07 | A | Low | C | DELTA SENIOR CO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-08 | A | Low | C | DELTA FOOD MART |

Table 5 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals*

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-09 | A | Low | C | DELTA/GREELY SD |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-10 | A | Low | C | CS HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-11 | A | Low | C | DELTA DINER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-12 | A | Low | C | DELTA CITY PARK |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-13 | A | Low | C | FT GREELY LODGE |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-14 | A | Low | C | DELTA VISITORS |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-15 | A | Low | C | STAN ORCUTT APT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-16 | A | Low | C | LIVING WORD ACA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-17 | A | Low | C | MT HAYES COMMER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-18 | A | Low | C | TOMS INN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-19 | A | Low | C | PIZZA BELLA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-20 | A | Low | C | LARRY'S APARTME |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-21 | A | Low | C | KELLYS MOTEL/WI |
| Septic systems (serves one single-family home) | R02 | R02-01 | A | Low | C | Assume 100 or less individual septic systems in Zone A |
| Tanks, gasoline (underground) | T12 | T12-01 | A | Medium | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-02 | A | Medium | C | FORT GREELY |

Table 5 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals*

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|--|------------------------------|------------------|-------------|----------------------------------|-------------------|-----------------|
| Tanks, gasoline (underground) | T12 | T12-03 | A | Medium | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-04 | A | Medium | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-05 | A | Medium | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-06 | A | Medium | C | FORT GREELY |
| Tanks, gasoline (underground) | T12 | T12-07 | A | Medium | C | Delta Texaco |
| Tanks, gasoline (underground) | T12 | T12-08 | A | Medium | C | Delta Texaco |
| Tanks, gasoline (underground) | T12 | T12-09 | A | Medium | C | DELTA MOTORS |
| Tanks, gasoline (underground) | T12 | T12-10 | A | Medium | C | DELTA MOTORS |
| Tanks, gasoline (underground) | T12 | T12-11 | A | Medium | C | DELTA MOTORS |
| Tanks, gasoline (underground) | T12 | T12-12 | A | Medium | C | JACKS SERVICE |
| Tanks, gasoline (underground) | T12 | T12-13 | A | Medium | C | JACKS SERVICE |
| Tanks, gasoline (underground) | T12 | T12-14 | A | Medium | C | OK FUEL CO. |
| Tanks, gasoline (underground) | T12 | T12-15 | A | Medium | C | BUFFALO SERVICE |
| Tanks, gasoline (underground) | T12 | T12-16 | A | Medium | C | AGRICULTURAL/FO |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-01 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-02 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-03 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-04 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-05 | A | Low | C | FORT GREELY |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-06 | A | Low | C | OK FUEL CO. |

Table 5 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals*

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|--|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Tanks, heating oil, nonresidential (underground) | T16 | T16-07 | A | Low | C | OK FUEL CO. |
| Tanks, heating oil, nonresidential (underground) | T16 | T16-08 | A | Low | C | Delta Greely Le |
| Closed tanks, lubricants or other petroleum products (underground) | T21 | T21-01 | A | Medium | C | FORT GREELY |
| Closed tanks, lubricants or other petroleum products (underground) | T21 | T21-02 | A | Medium | C | ADOTPF - DELTA |
| Closed tanks, lubricants or other petroleum products (underground) | T21 | T21-03 | A | Medium | C | BUFFALO SERVICE |
| Closed tanks, lubricants or other petroleum products (underground) | T21 | T21-04 | A | Medium | C | BUFFALO SERVICE |
| Wastewater Holding Tank | T22 | T22-01 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-02 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-03 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-04 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-05 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-06 | A | Medium | C | FORT GREELY |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-01 | A | Low | C | Oklahoma Range A-10 Site. Reckey: 199531X128301. Status: Inactive. Site of crash of A-10 jet from Eielson AFB on 10/10/95. Site is on Fort Greely Oklahoma bombing range. DRO of 9,490 ppm remain on site. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-02 | A | Low | C | AHFC Properties. Reckey: 1992330923001. Status: Inactive. Diesel fuel spill - quantity and date not specified. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-03 | A | Low | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-04 | A | Low | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |

Table 5 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals*

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-05 | A | Low | C | Tenderfoot Creek Pipeline Spill. Reckey: 197233X129801. Status: Inactive. Jet fuel spill from break in Haines-Fairbanks pipeline. Heavy fuel contamination of Tenderfoot Creek and valley, possibly Tanana River. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-06 | A | Low | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-07 | A | Low | C | Pioneer Equipment Facility. Reckey: 1992330107901. Status: Inactive. Barrels of waste oil and oil contaminated soil. Groundwater of surface water impact unlikely. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-08 | A | Low | C | Earl Mitchell Farm Estate.Reckey:1992330907901.Status:Inactive.Approximately 30 55-gallon drums containing petroleum prod or engine fluids scattered and ruptured. 2nd site w/ 8 drums, 1 leaking crankcase oil.Multiple stained spots, old batteries, etc |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-09 | A | Low | C | ADOT&PF Delta Maintenance Facility. Reckey: 1992330934201. Status: Inactive. Removal of 3,000 gal HOT resulted in excavation of 135 cu yds of soil. Drinking water well 50 ft from tank location not contaminated. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-10 | A | Low | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-11 | A | Low | C | Site Name: Fort Greely SMDC Bldg. 606. Reckey: 199233X930603. Status: Inactive. Waste oil, chlorinated solvents, and antifreeze have been discharged to drains and possibly to gravel pad around building. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-12 | A | Low | C | Alyeska PS 09 Therminol Release. Reckey: 1998720118201. Status: Active. Therminol spilled at Tank 197 are 200 gallons and at Tank 198 is less than 55 gallons of Therminol. Municipal well within 500 ft. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-13 | A | Low | C | Alyeska PS 09 Former Mainline Turbn.Reckey:1996720127501.Status:Active.Petroleum hydrocarbon-impacted soil found extending to depth of approx 110 ft bgs. Thin layer of free-phase petroleum hydrocarbons found on the water table in MW-1. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-14 | A | Low | C | FAA Big Delta Station. Reckey: 1994330134901. Status: Active. Possible gasoline & diesel contamination. Pool of tar observed at DF facility. Multiple contamination sites associated with above ground tanks w/ DRO between 7,800-33,000 mg/kg. |

Table 5 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals*

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|---|
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-15 | A | Low | C | Alyeska PS 09 Fuel Island. Reckey: 1995720120201. Status: Closed. Diesel fuel contamination discovered during demolition of fuel island at pump stn 9. Contamination excavated and stockpiled. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-16 | A | Low | C | Fort Greely SMDC P. 113 POL. Reckey: 199633X127501. Status: Active. DRO is above migration to groundwater. Diesel fuel detected in soil during BRAC site characterization. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-17 | A | Low | C | Fort Greely SMDC P. 112 Salvage. Reckey: 199633X927501. Status: Active. Site 112 was formerly a fenced salvage yard. Contaminants of concern include: GRO, DRO, RRO, VOCs, SVOCs, and pesticides. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-18 | A | Low | C | Fort Greely SMDC P. 77 Bldg 340. Reckey: 199633X127503. Status: Active. DRO above migration to groundwater. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-19 | A | Low | C | Fort Greely SMDC P. 76 Bldg 352. Reckey: 199633X927502. Status: Active. Diesel and SVOC contamination under Building 351. 100 gallons of diesel fuel spilled was reported sometime in 1992. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-20 | A | Low | C | Alyeska PS 09 Turbine Fuel Spill. Reckey: 1992720121901. Status: Inactive. 180 gal turbine fuel spill. Approx 75 cu yds contaminated soils removed. Excavation discontinued at max depth of approx 4.5 ft below original grade. Contam still below perm structures. |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-01 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-02 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-03 | A | Low | C | CRAIG TAYLOR EP |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-04 | A | Low | C | ALASKA FARMERS |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-05 | A | Low | C | GLACIER STATE T |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-06 | A | Low | C | DELTA JUNCTION |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-07 | A | Low | C | SOURDOUGH FUEL |

Table 5 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Heavy Metals, Cyanide and Other Inorganic Chemicals*

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-08 | A | Low | C | ADNR - DIV OF F |
| Petroleum product bulk station/terminals | X11 | X11-01 | A | Low | C | Assume one petroleum product bulk station/terminal in Zone A |
| Government vehicle maintenance facilities | X19 | X19-01 | A | Low | C | FORT GREELY |
| Government vehicle maintenance facilities | X19 | X19-02 | A | Low | C | ADOTPF - DELTA |
| Highways and roads, dirt/gravel | X24 | X24-01 | A | Low | C | Assume 1-20 roads in Zone A |
| Electric power generation (fossil fuels) | X36 | X36-01 | A | Medium | C | FORT GREELY |
| Pump Stations (oil and gas) | X43 | X43-01 | A | Low | C | PUMP STATION #9 |
| Pump Stations (oil and gas) | X43 | X43-02 | A | Low | C | PUMP STATION #1 |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-22 | B | Low | C | BERGSTADS TRAIL |
| Septic systems (serves one single-family home) | R02 | R02-02 | B | Low | C | Assume 100 or less individual septic systems in Zone B |
| Highways and roads, dirt/gravel | X24 | X24-02 | B | Low | C | Assume 1-20 roads in Zone B |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-23 | C | Low | C | TROPHY LODGE |
| Airports | X14 | X14-01 | C | Low | C | ALLEN AAF AIRPORT |
| Highways and roads, dirt/gravel | X24 | X24-03 | C | Low | C | Assume 1-20 roads in Zone C |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Synthetic Organic Chemicals*

PWSID 372261.001

Table 6

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Cropland | A02 | A02-01 | A | High | C | ALASKA FARMERS |
| Cropland | A02 | A02-01 | A | High | C | ALASKA FARMERS |
| Cropland | A02 | A02-02 | A | High | C | AGRICULTURAL/FO |
| Domestic wastewater treatment plant disposal ponds/lagoons | D02 | D02-01 | A | Low | C | Assume one sewage disposal pond/lagoon in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-01 | A | Low | C | BAY HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-02 | A | Low | C | BIG D BAR |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-03 | A | Low | C | DIEHLS SHOPPING |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-04 | A | Low | C | CENTRE DEV-CENT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-05 | A | Low | C | CHEROKEE TWO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-06 | A | Low | C | CLUB EVERGREEN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-07 | A | Low | C | DELTA SENIOR CO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-08 | A | Low | C | DELTA FOOD MART |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-09 | A | Low | C | DELTA/GREELY SD |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-10 | A | Low | C | CS HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-11 | A | Low | C | DELTA DINER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-12 | A | Low | C | DELTA CITY PARK |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Synthetic Organic Chemicals*

PWSID 372261.001

Table 6 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-13 | A | Low | C | FT GREELY LODGE |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-14 | A | Low | C | DELTA VISITORS |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-15 | A | Low | C | STAN ORCUTT APT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-16 | A | Low | C | LIVING WORD ACA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-17 | A | Low | C | MT HAYES COMMER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-18 | A | Low | C | TOMS INN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-19 | A | Low | C | PIZZA BELLA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-20 | A | Low | C | LARRY'S APARTME |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-21 | A | Low | C | KELLYS MOTEL/WI |
| Septic systems (serves one single-family home) | R02 | R02-01 | A | Low | C | Assume 100 or less individual septic systems in Zone A |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-01 | A | Low | C | Oklahoma Range A-10 Site. Reckey: 199531X128301. Status: Inactive. Site of crash of A-10 jet from Eielson AFB on 10/10/95. Site is on Fort Greely Oklahoma bombing range. DRO of 9,490 ppm remain on site. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-02 | A | Low | C | AHFC Properties. Reckey: 1992330923001. Status: Inactive. Diesel fuel spill - quantity and date not specified. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-03 | A | Low | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-04 | A | Low | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |

Table 6 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Synthetic Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-05 | A | Low | C | Tenderfoot Creek Pipeline Spill. Reckey: 197233X129801. Status: Inactive. Jet fuel spill from break in Haines-Fairbanks pipeline. Heavy fuel contamination of Tenderfoot Creek and valley, possibly Tanana River. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-06 | A | Low | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-07 | A | Low | C | Pioneer Equipment Facility. Reckey: 1992330107901. Status: Inactive. Barrels of waste oil and oil contaminated soil. Groundwater of surface water impact unlikely. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-08 | A | Low | C | Earl Mitchell Farm Estate.Reckey:1992330907901.Status:Inactive.Approximately 30 55-gallon drums containing petroleum prod or engine fluids scattered and ruptured. 2nd site w/ 8 drums, 1 leaking crankcase oil.Multiple stained spots, old batteries, etc |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-09 | A | Low | C | ADOT&PF Delta Maintenance Facility. Reckey: 1992330934201. Status: Inactive. Removal of 3,000 gal HOT resulted in excavation of 135 cu yds of soil. Drinking water well 50 ft from tank location not contaminated. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-10 | A | Low | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-11 | A | Low | C | Site Name: Fort Greely SMDC Bldg. 606. Reckey: 199233X930603. Status: Inactive. Waste oil, chlorinated solvents, and antifreeze have been discharged to drains and possibly to gravel pad around building. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-12 | A | Low | C | Alyeska PS 09 Therminol Release. Reckey: 1998720118201. Status: Active. Therminol spilled at Tank 197 are 200 gallons and at Tank 198 is less than 55 gallons of Therminol. Municipal well within 500 ft. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-13 | A | Low | C | Alyeska PS 09 Former Mainline Turbn.Reckey:1996720127501.Status:Active.Petroleum hydrocarbon-impacted soil found extending to depth of approx 110 ft bgs. Thin layer of free-phase petroleum hydrocarbons found on the water table in MW-1. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-14 | A | Low | C | FAA Big Delta Station. Reckey: 1994330134901. Status: Active. Possible gasoline & diesel contamination. Pool of tar observed at DF facility. Multiple contamination sites associated with above ground tanks w/ DRO between 7,800-33,000 mg/kg. |

Table 6 (continued)

**Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Synthetic Organic Chemicals**

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|---|
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-15 | A | Low | C | Alyeska PS 09 Fuel Island. Reckey: 1995720120201. Status: Closed. Diesel fuel contamination discovered during demolition of fuel island at pump stn 9. Contamination excavated and stockpiled. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-16 | A | Low | C | Fort Greely SMDC P. 113 POL. Reckey: 199633X127501. Status: Active. DRO is above migration to groundwater. Diesel fuel detected in soil during BRAC site characterization. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-17 | A | Low | C | Fort Greely SMDC P. 112 Salvage. Reckey: 199633X927501. Status: Active. Site 112 was formerly a fenced salvage yard. Contaminants of concern include: GRO, DRO, RRO, VOCs, SVOCs, and pesticides. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-18 | A | Low | C | Fort Greely SMDC P. 77 Bldg 340. Reckey: 199633X127503. Status: Active. DRO above migration to groundwater. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-19 | A | Low | C | Fort Greely SMDC P. 76 Bldg 352. Reckey: 199633X927502. Status: Active. Diesel and SVOC contamination under Building 351. 100 gallons of diesel fuel spilled was reported sometime in 1992. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-20 | A | Low | C | Alyeska PS 09 Turbine Fuel Spill. Reckey: 1992720121901. Status: Inactive. 180 gal turbine fuel spill. Approx 75 cu yds contaminated soils removed. Excavation discontinued at max depth of approx 4.5 ft below original grade. Contam still below perm structures. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-01 | A | Low | C | Ft. Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-02 | A | Low | C | Ft. Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-03 | A | Low | C | Ft. Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-04 | A | Low | C | Fort Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-05 | A | Low | C | FORT GREELY |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-06 | A | Low | C | Delta Texaco. Reckey: 1989330029601. Facility: 125. Event: 12. Status: The fill piping on a 12,000 gallon gasoline tank was found to be leaking. The tank was drained and a cleanup study ordered by Tesoro. Amount, type, and extent of contamination unknown. |

Table 6 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Synthetic Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-07 | A | Low | C | Delta Motors. Reckey: 1995330033501. Facility: 192. Event: 1243. Status: Mike Jaynes spoke with Larry Hutto who stated he had no tanks initially then admitted he closed tanks in place in 1989 before deadline. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-08 | A | Low | C | FAA - Delta Junction. Reckey: 1999330002201. Facility: 865. Event: 2014. Status: LUST site inferred due to treatment methods discussed. Closure Notice 5/19/97. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-09 | A | Low | C | ADOTPF - Delta Jct Maintenance Camp. Reckey: 1991330014101. Facility: 1557. Event: 22. Status: Petroleum release from UST associated with asphalt heater. Evidence of 12 ft. plume extending downward. Human health and contamination impact unknown. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-10 | A | Low | C | Chevron - Jacks. Reckey: 1990330017601. Facility: 1776. Event: 17. Status: S.A. done 8/15/94 w/USTs in place. High levels GRO & DRO 'ween 7-9 ft. bgs @ gasoline dispensers & diesel UST. 11,500-19,500 ppm GRO w/DRO 1,200-1,400 ppm. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-11 | A | Low | C | Buffalo Service Station. Reckey: 1991310008701. Facility: 1599. Event: 1271. Needed re-waste oil UST, proper disposal of w.o. UST contents contam soils, installed passive soil venting in piping, remediation of contaminated soil from 6 USTs closed-in-plc '96. |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-01 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-02 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-03 | A | Low | C | CRAIG TAYLOR EP |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-04 | A | Low | C | ALASKA FARMERS |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-05 | A | Low | C | GLACIER STATE T |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-06 | A | Low | C | DELTA JUNCTION |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-07 | A | Low | C | SOURDOUGH FUEL |

Table 6 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Synthetic Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-08 | A | Low | C | ADNR - DIV OF F |
| Petroleum product bulk station/terminals | X11 | X11-01 | A | Low | C | Assume one petroleum product bulk station/terminal in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-22 | B | Low | C | BERGSTADS TRAIL |
| Septic systems (serves one single-family home) | R02 | R02-02 | B | Low | C | Assume 100 or less individual septic systems in Zone B |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-23 | C | Low | C | TROPHY LODGE |
| Airports | X14 | X14-01 | C | Medium | C | ALLEN AAF AIRPORT |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Other Organic Chemicals*

PWSID 372261.001

Table 7

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Gasoline stations (without repair shop) | C15 | C15-01 | A | Low | C | Delta Texaco |
| Gasoline stations (without repair shop) | C15 | C15-02 | A | Low | C | OK FUEL CO. |
| Gasoline stations (with repair shop) | C16 | C16-01 | A | Medium | C | JACKS SERVICE |
| Gasoline stations (with repair shop) | C16 | C16-02 | A | Medium | C | BUFFALO SERVICE |
| Motor /motor vehicle repair shops | C31 | C31-01 | A | Medium | C | DELTA WINDSHIEL |
| Domestic wastewater treatment plant disposal ponds/lagoons | D02 | D02-01 | A | Low | C | Assume one sewage disposal pond/lagoon in Zone A |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-01 | A | Low | C | BAY HOTEL |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-02 | A | Low | C | BIG D BAR |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-03 | A | Low | C | DIEHLS SHOPPING |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-04 | A | Low | C | CENTRE DEV-CENT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-05 | A | Low | C | CHEROKEE TWO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-06 | A | Low | C | CLUB EVERGREEN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-07 | A | Low | C | DELTA SENIOR CO |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-08 | A | Low | C | DELTA FOOD MART |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-09 | A | Low | C | DELTA/GREELY SD |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-10 | A | Low | C | CS HOTEL |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Other Organic Chemicals*

PWSID 372261.001

Table 7 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-11 | A | Low | C | DELTA DINER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-12 | A | Low | C | DELTA CITY PARK |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-13 | A | Low | C | FT GREELY LODGE |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-14 | A | Low | C | DELTA VISITORS |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-15 | A | Low | C | STAN ORCUTT APT |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-16 | A | Low | C | LIVING WORD ACA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-17 | A | Low | C | MT HAYES COMMER |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-18 | A | Low | C | TOMS INN |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-19 | A | Low | C | PIZZA BELLA |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-20 | A | Low | C | LARRY'S APARTME |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-21 | A | Low | C | KELLYS MOTEL/WI |
| Septic systems (serves one single-family home) | R02 | R02-01 | A | Low | C | Assume 100 or less individual septic systems in Zone A |
| Wastewater Holding Tank | T22 | T22-01 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-02 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-03 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-04 | A | Medium | C | FORT GREELY |

Table 7 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Other Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Wastewater Holding Tank | T22 | T22-05 | A | Medium | C | FORT GREELY |
| Wastewater Holding Tank | T22 | T22-06 | A | Medium | C | FORT GREELY |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-01 | A | Low | C | Oklahoma Range A-10 Site. Reckey: 199531X128301. Status: Inactive. Site of crash of A-10 jet from Eielson AFB on 10/10/95. Site is on Fort Greely Oklahoma bombing range. DRO of 9,490 ppm remain on site. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-02 | A | Low | C | AHFC Properties. Reckey: 1992330923001. Status: Inactive. Diesel fuel spill - quantity and date not specified. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-03 | A | Low | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-04 | A | Low | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-05 | A | Low | C | Tenderfoot Creek Pipeline Spill. Reckey: 197233X129801. Status: Inactive. Jet fuel spill from break in Haines-Fairbanks pipeline. Heavy fuel contamination of Tenderfoot Creek and valley, possibly Tanana River. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-06 | A | Low | C | ADNR-Asphalt Drum Site.Reckey:1990330115201.Status:Inactive. 16 abandoned barrels of liquid asphalt found leaking on the ground. Extent of contamination and threat to human health unknown. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-07 | A | Low | C | Pioneer Equipment Facility. Reckey: 1992330107901. Status: Inactive. Barrels of waste oil and oil contaminated soil. Groundwater of surface water impact unlikely. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-08 | A | Low | C | Earl Mitchell Farm Estate.Reckey:1992330907901.Status:Inactive.Approximately 30 55-gallon drums containing petroleum prod or engine fluids scattered and ruptured. 2nd site w/ 8 drums, 1 leaking crankcase oil.Multiple stained spots, old batteries, etc |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-09 | A | Low | C | ADOT&PF Delta Maintenance Facility. Reckey: 1992330934201. Status: Inactive. Removal of 3,000 gal HOT resulted in excavation of 135 cu yds of soil. Drinking water well 50 ft from tank location not contaminated. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-10 | A | Low | C | North Delta Tank Farm. Reckey: 199233X117801. Status: Active. Suspected spills, tank or piping leaks. Investigation summer 1997 showed elevated levels of GRO=34,000ppm, DRO=12,000ppm in soil. ADEC Recommends removal/ex-situ remediation. |

Table 7 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Other Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-11 | A | Low | C | Site Name: Fort Greely SMDC Bldg. 606. Reckey: 199233X930603. Status: Inactive. Waste oil, chlorinated solvents, and antifreeze have been discharged to drains and possibly to gravel pad around building. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-12 | A | Low | C | Alyeska PS 09 Therminol Release. Reckey: 1998720118201. Status: Active. Therminol spilled at Tank 197 are 200 gallons and at Tank 198 is less than 55 gallons of Therminol. Municipal well within 500 ft. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-13 | A | Low | C | Alyeska PS 09 Former Mainline Turbn.Reckey:1996720127501.Status:Active.Petroleum hydrocarbon-impacted soil found extending to depth of approx 110 ft bgs. Thin layer of free-phase petroleum hydrocarbons found on the water table in MW-1. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-14 | A | Low | C | FAA Big Delta Station. Reckey: 1994330134901. Status: Active. Possible gasoline & diesel contamination. Pool of tar observed at DF facility. Multiple contamination sites associated with above ground tanks w/ DRO between 7,800-33,000 mg/kg. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-15 | A | Low | C | Alyeska PS 09 Fuel Island. Reckey: 1995720120201. Status: Closed. Diesel fuel contamination discovered during demolition of fuel island at pump stn 9. Contamination excavated and stockpiled. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-16 | A | Low | C | Fort Greely SMDC P. 113 POL. Reckey: 199633X127501. Status: Active. DRO is above migration to groundwater. Diesel fuel detected in soil during BRAC site characterization. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-17 | A | Low | C | Fort Greely SMDC P. 112 Salvage. Reckey: 199633X927501. Status: Active. Site 112 was formerly a fenced salvage yard. Contaminants of concern include: GRO, DRO, RRO, VOCs, SVOCs, and pesticides. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-18 | A | Low | C | Fort Greely SMDC P. 77 Bldg 340. Reckey: 199633X127503. Status: Active. DRO above migration to groundwater. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-19 | A | Low | C | Fort Greely SMDC P. 76 Bldg 352. Reckey: 199633X927502. Status: Active. Diesel and SVOC contamination under Building 351. 100 gallons of diesel fuel spilled was reported sometime in 1992. |
| Contaminated sites, DEC recognized, non-Superfund, non-RCRA | U04 | U04-20 | A | Low | C | Alyeska PS 09 Turbine Fuel Spill.Reckey:1992720121901.Status:Inactive.180 gal turbine fuel spill.Approx 75 cu yds contaminated soils removed.Excavation discontinued at max depth of approx 4.5 ft below original grade. Contam still below perm structures. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-01 | A | Low | C | Ft. Greely |

Table 7 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Other Organic Chemicals*

PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-02 | A | Low | C | Ft. Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-03 | A | Low | C | Ft. Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-04 | A | Low | C | Fort Greely |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-05 | A | Low | C | FORT GREELY |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-06 | A | Low | C | Delta Texaco. Reckey: 1989330029601. Facility: 125. Event: 12. Status: The fill piping on a 12,000 gallon gasoline tank was found to be leaking. The tank was drained and a cleanup study ordered by Tesoro. Amount, type, and extent of contamination unknown. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-07 | A | Low | C | Delta Motors. Reckey: 1995330033501. Facility: 192. Event: 1243. Status: Mike Jaynes spoke with Larry Hutto who stated he had no tanks initially then admitted he closed tanks in place in 1989 before deadline. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-08 | A | Low | C | FAA - Delta Junction. Reckey: 1999330002201. Facility: 865. Event: 2014. Status: LUST site inferred due to treatment methods discussed. Closure Notice 5/19/97. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-09 | A | Low | C | ADOTPF - Delta Jct Maintenance Camp. Reckey: 1991330014101. Facility: 1557. Event: 22. Status: Petroleum release from UST associated with asphalt heater. Evidence of 12 ft. plume extending downward. Human health and contamination impact unknown. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-10 | A | Low | C | Chevron - Jacks. Reckey: 1990330017601. Facility: 1776. Event: 17. Status: S.A. done 8/15/94 w/USTs in place. High levels GRO & DRO 'ween 7-9 ft. bgs @ gasoline dispensers & diesel UST. 11,500-19,500 ppm GRO w/DRO 1,200-1,400 ppm. |
| Open Leaking Underground Fuel Storage Tank (LUST) Sites | U07 | U07-11 | A | Low | C | Buffalo Service Station. Reckey: 1991310008701. Facility: 1599. Event: 1271. Needed re-waste oil UST, proper disposal of w.o. UST contents contam soils, installed passive soil venting in piping, remediation of contaminated soil from 6 USTs closed-in-plc '96. |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-01 | A | Low | C | FORT GREELY |

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Other Organic Chemicals*

PWSID 372261.001

Table 7 (continued)

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---|------------------------------|------------------|-------------|----------------------------------|-------------------|--|
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-02 | A | Low | C | FORT GREELY |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-03 | A | Low | C | CRAIG TAYLOR EP |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-04 | A | Low | C | ALASKA FARMERS |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-05 | A | Low | C | GLACIER STATE T |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-06 | A | Low | C | DELTA JUNCTION |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-07 | A | Low | C | SOURDOUGH FUEL |
| Closed Leaking Underground Fuel Storage Tank (LUST) Sites | U08 | U08-08 | A | Low | C | ADNR - DIV OF F |
| Petroleum product bulk station/terminals | X11 | X11-01 | A | High | C | Assume one petroleum product bulk station/terminal in Zone A |
| Government vehicle maintenance facilities | X19 | X19-01 | A | Medium | C | FORT GREELY |
| Government vehicle maintenance facilities | X19 | X19-02 | A | Medium | C | ADOTPF - DELTA |
| Highways and roads, dirt/gravel | X24 | X24-01 | A | Low | C | Assume 1-20 roads in Zone A |
| Electric power generation (fossil fuels) | X36 | X36-01 | A | High | C | FORT GREELY |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-22 | B | Low | C | BERGSTADS TRAIL |
| Septic systems (serves one single-family home) | R02 | R02-02 | B | Low | C | Assume 100 or less individual septic systems in Zone B |
| Highways and roads, dirt/gravel | X24 | X24-02 | B | Low | C | Assume 1-20 roads in Zone B |
| Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) | D10 | D10-23 | C | Low | C | TROPHY LODGE |
| Airports | X14 | X14-01 | C | Medium | C | ALLEN AAF AIRPORT |

Table 7 (continued)

*Contaminant Source Inventory and Risk Ranking for
DGSD-Delta School/Voc Ed.
Sources of Other Organic Chemicals*

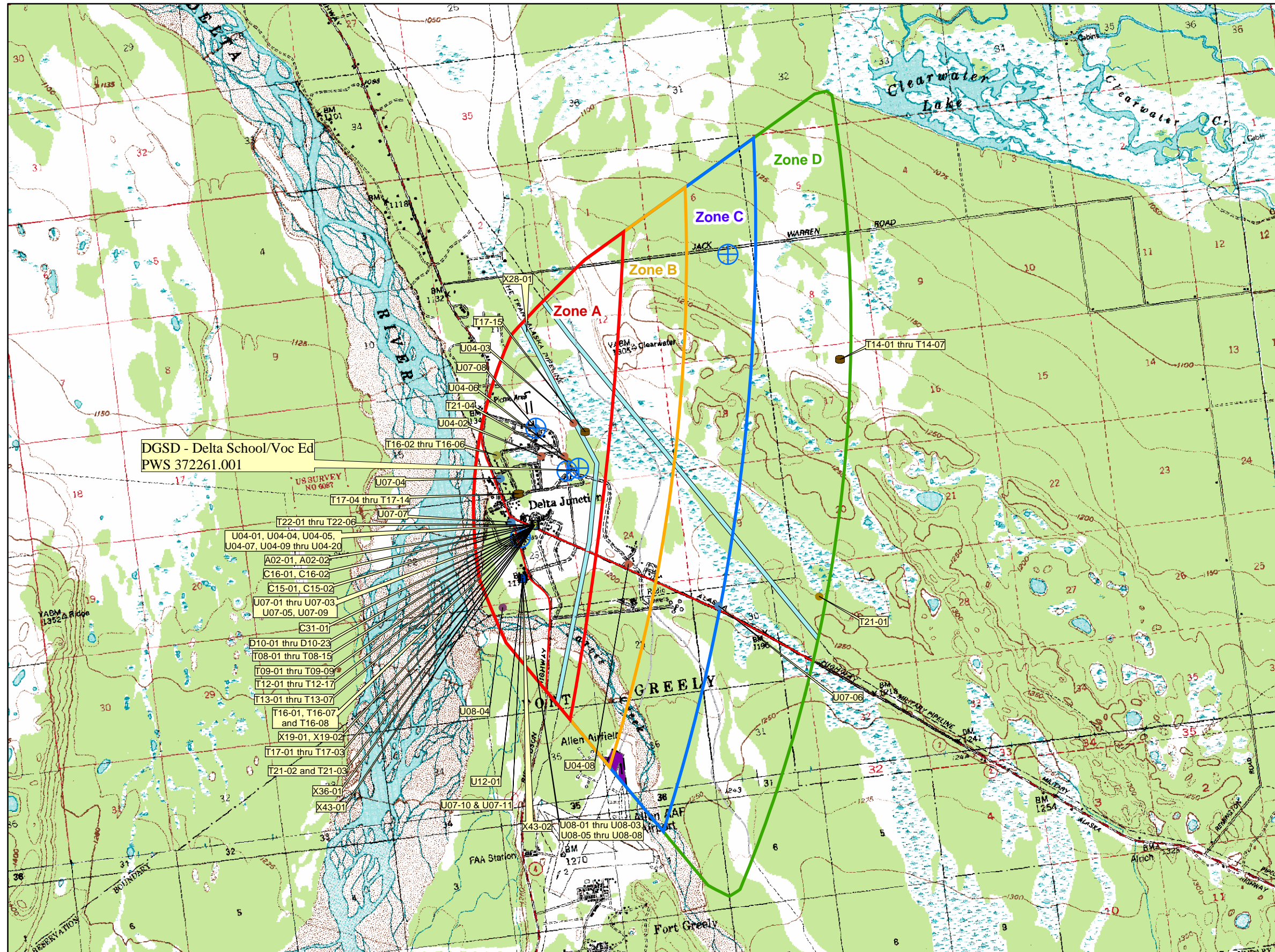
PWSID 372261.001

| Contaminant Source Type | Contaminant Source ID | CS ID tag | Zone | Risk Ranking for Analysis | Map Number | Comments |
|---------------------------------|------------------------------|------------------|-------------|----------------------------------|-------------------|-----------------------------|
| Highways and roads, dirt/gravel | X24 | X24-03 | C | Low | C | Assume 1-20 roads in Zone C |

APPENDIX C

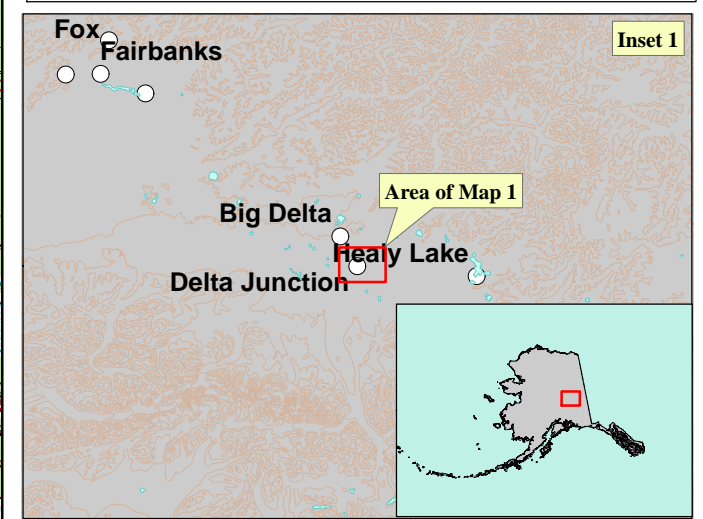
Drinking Water Protection Area and Potential and Existing Contaminant Sources (Map C)

Public Water Well System for PWS #372261.001 DGSD - Delta School/Voc Ed
Showing Potential and Existing Sources of Contamination



LEGEND

- Public Water System Well
- | | |
|-----------------------------|----------------------------------|
| Hydrography/Physical | Transportation |
| Parcels | Primary Route (Class 1) |
| Stream | Secondary Route (Class 2) |
| Lake or Pond | Road (Class 3) |
| Contours | Road (Class 4) |
| | Road (Class 5, Four-wheel drive) |
- Protection Zones**
- Zone A Protection Area— Several Months Travel Time
 - Zone B Protection Area— 2 Years Travel Time
 - Zone C Protection Area— 5 Years Travel Time
 - Zone D Protection Area— 10 Years Travel Time
- Existing or Potential Contaminant Sources**
- Cropland (A02)
 - Gasoline stations without repair shops (C15)
 - Gasoline stations (with repair shop) (C16)
 - Motor/motor vehicle repair shops (C31)
 - Injection wells (Class V) Large-Capacity Septic System (Drainfield Disposal Method) (D10)
 - Tanks, diesel (underground) (T08)
 - Closed tanks, diesel (underground) (T09)
 - Tanks, gasoline (underground) (T12)
 - Closed tanks, gasoline (underground) (T13)
 - Tanks, heating oil, nonresidential (aboveground) (T14)
 - Tanks, heating oil, nonresidential (underground) (T16)
 - Closed tanks, heating oil, nonresidential (underground) (T17)
 - Closed tanks, lubricants or other petroleum products (underground) (T21)
 - Wastewater Holding Tank (T22)
 - Pipelines (oil and gas) (X28)
 - Contaminated sites, DEC recognized, non-Superfund, non-RCRA (U04)
 - Open Leaking Underground Fuel Storage Tank (LUST) (lubricants or other petroleum products) (U07)
 - Closed Leaking Underground Fuel Storage Tank (LUST) (lubricants or other petroleum products) (U08)
 - Closed Leaking Underground Fuel Storage Tank (LUST) (aviation) (U12)
 - Government vehicle maintenance facilities (X19)
 - Electric Power Generation (fossil fuels) (X36)
 - Pump Stations (oils and gas) (X43)
 - Airport or landing strip (X14)
- Data Sources:
- Contaminant Sources, Public Water System Wells, Contours Alaska Department of Environmental Conservation (ADEC)
 - Critical Facilities, Federal Emergency Management Agency (FEMA)
- All other data:
- United States Geological Survey (USGS)
 - Drinking Water Protection Areas based on "Alaska Drinking Water Protection Program - Guidance Manual for Class A"
 - Public Water Systems* published by ADEC
- URS Corporation does not guarantee the accuracy or validity of the data provided.



APPENDIX D

Vulnerability Analysis for Public Drinking Water Source (Charts 1-14)

Chart 1. Susceptibility of the wellhead - DGSD-Delta School/Voc Ed. (PWS No. 372261.001)

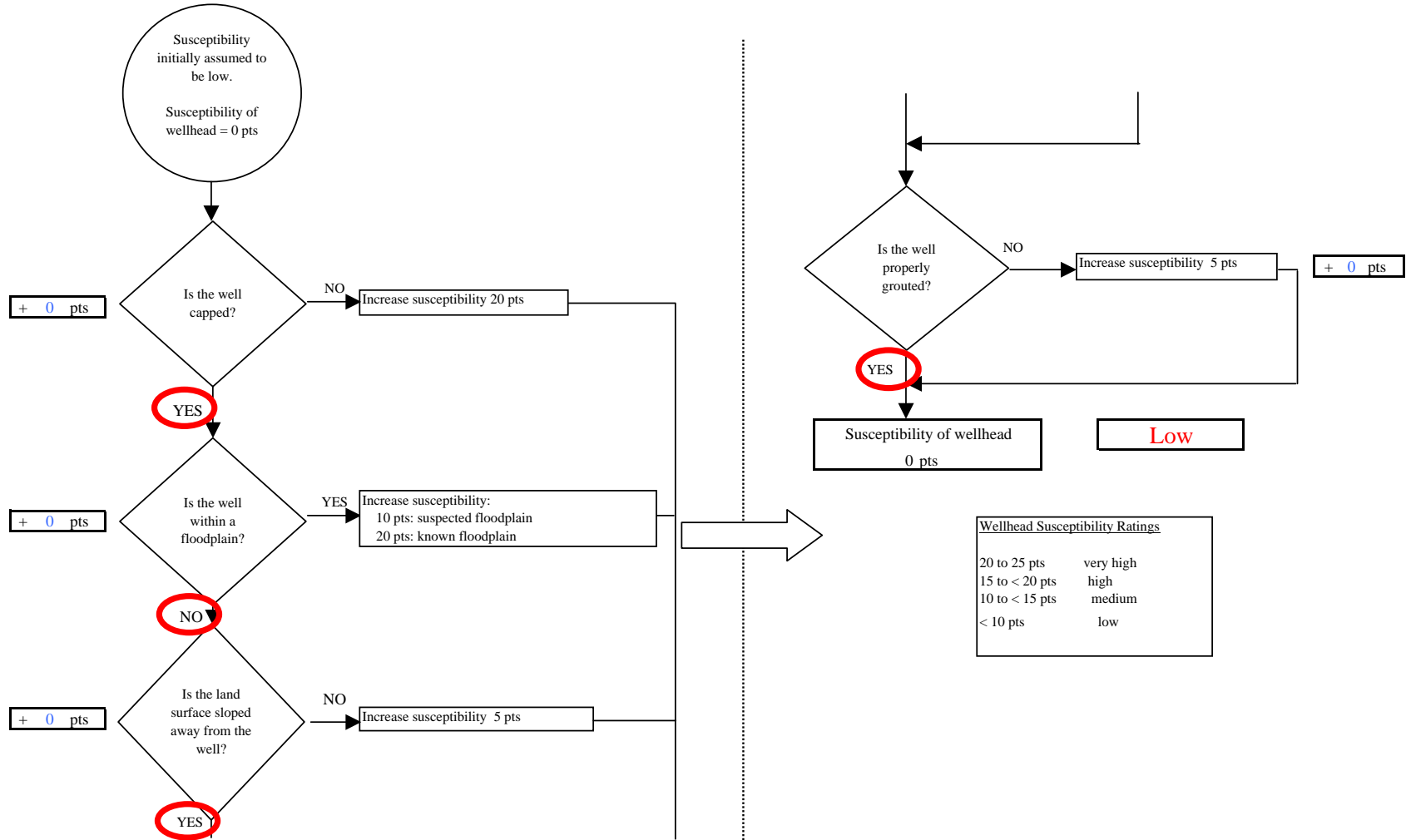


Chart 2. Susceptibility of the aquifer DGSD-Delta School/Voc Ed. (PWS No. 372261.001)

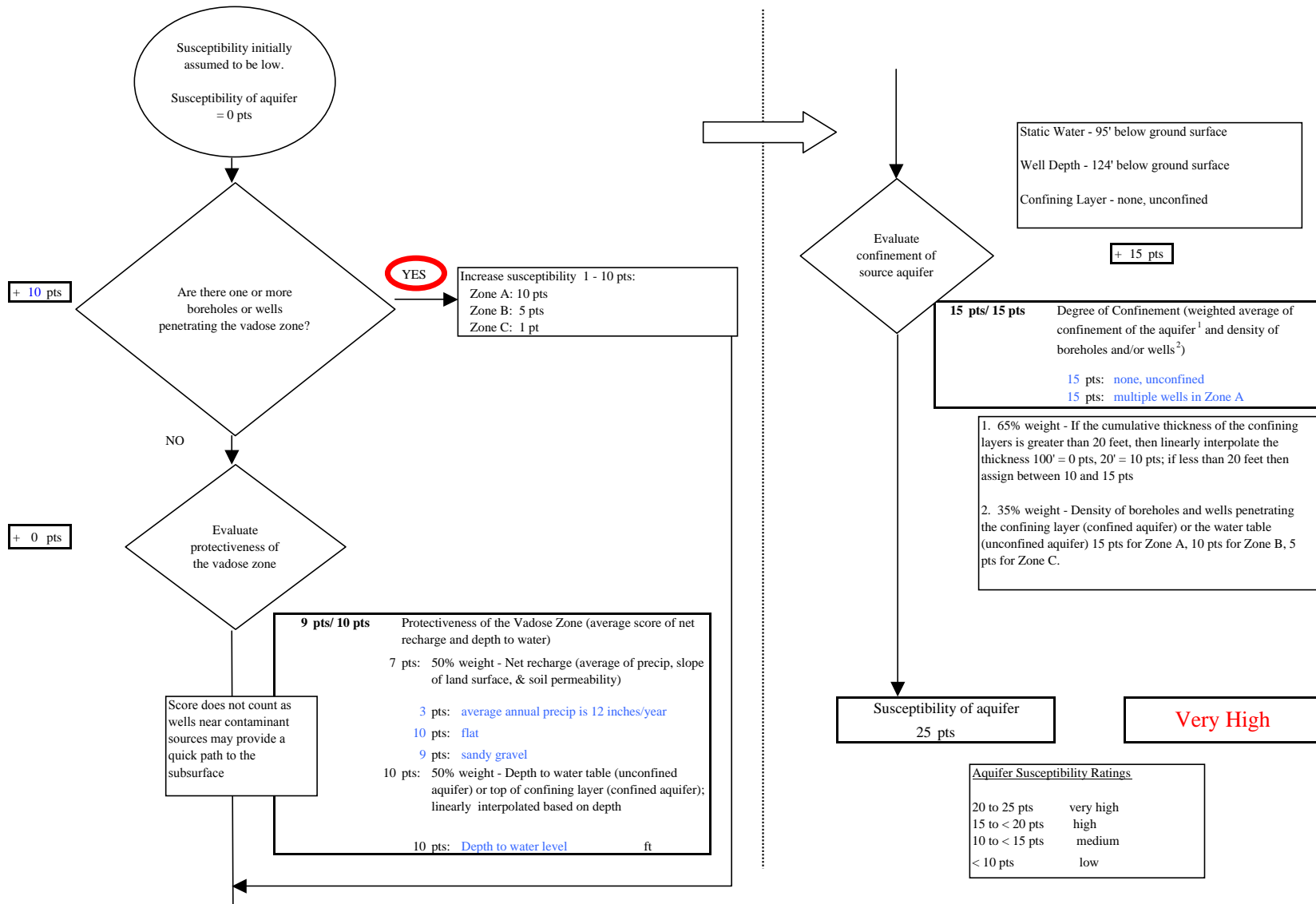


Chart 3. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Bacteria & Viruses

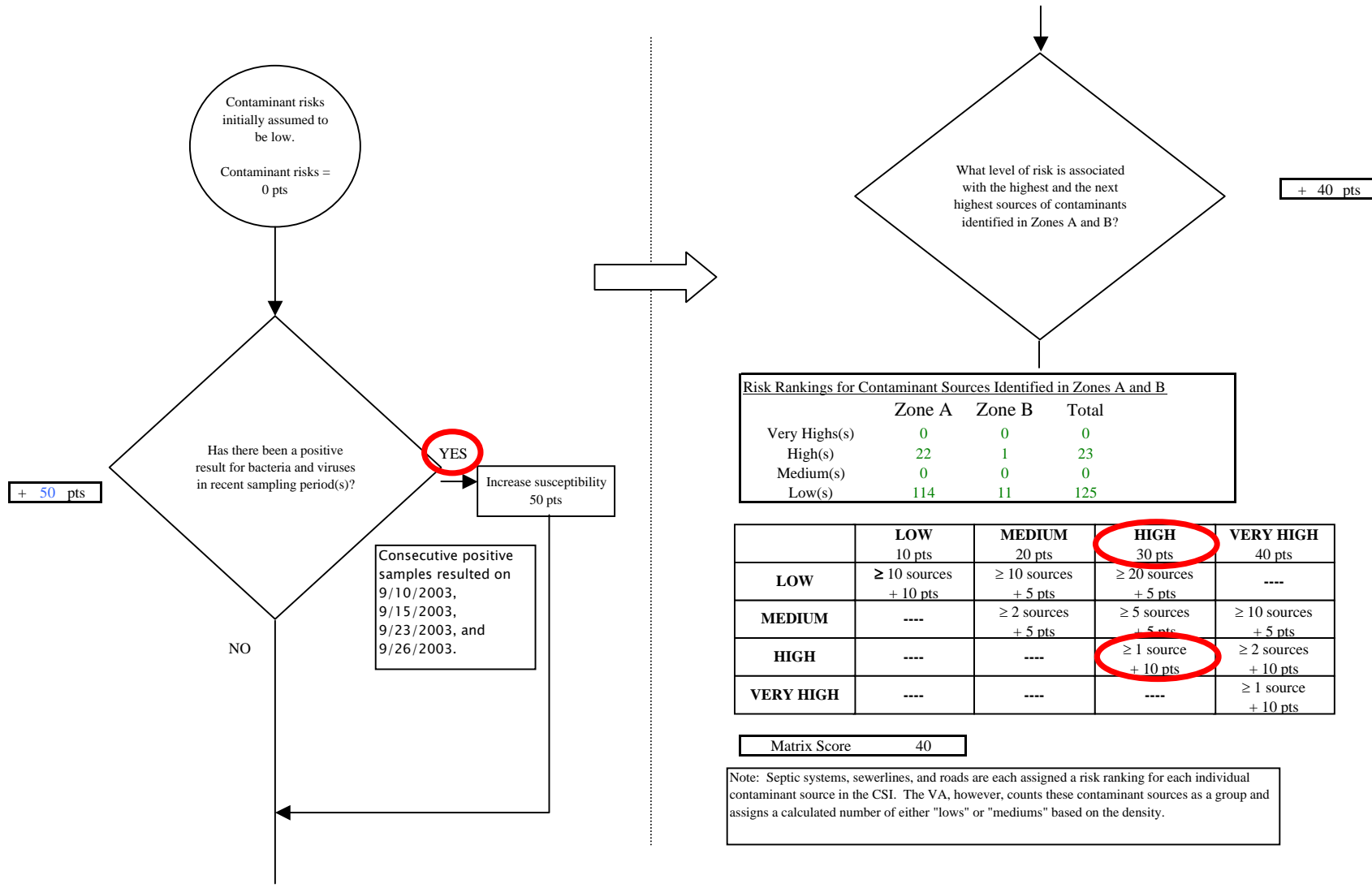


Chart 3. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Bacteria & Viruses

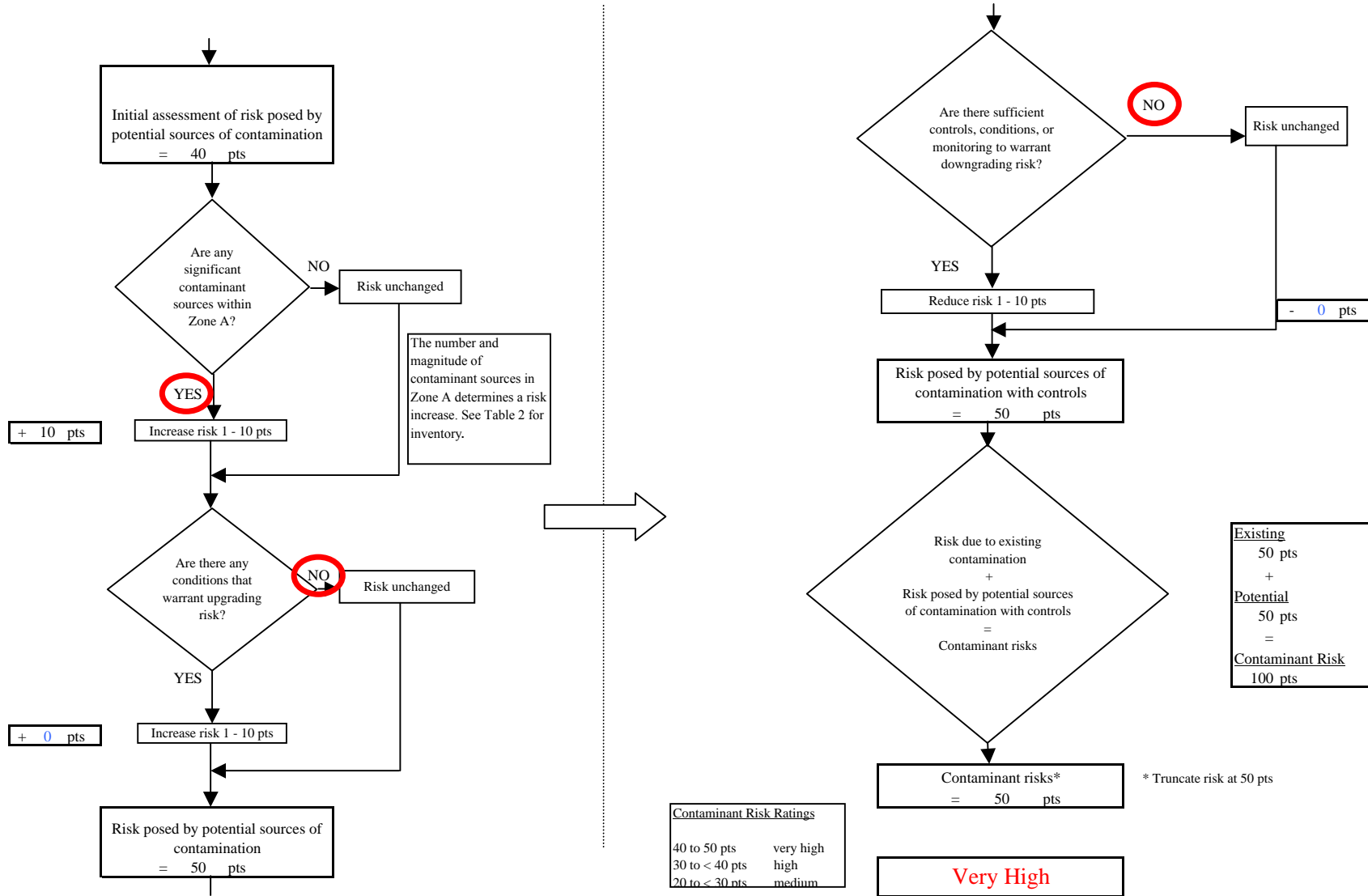


Chart 4. Vulnerability analysis for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Bacteria & Viruses

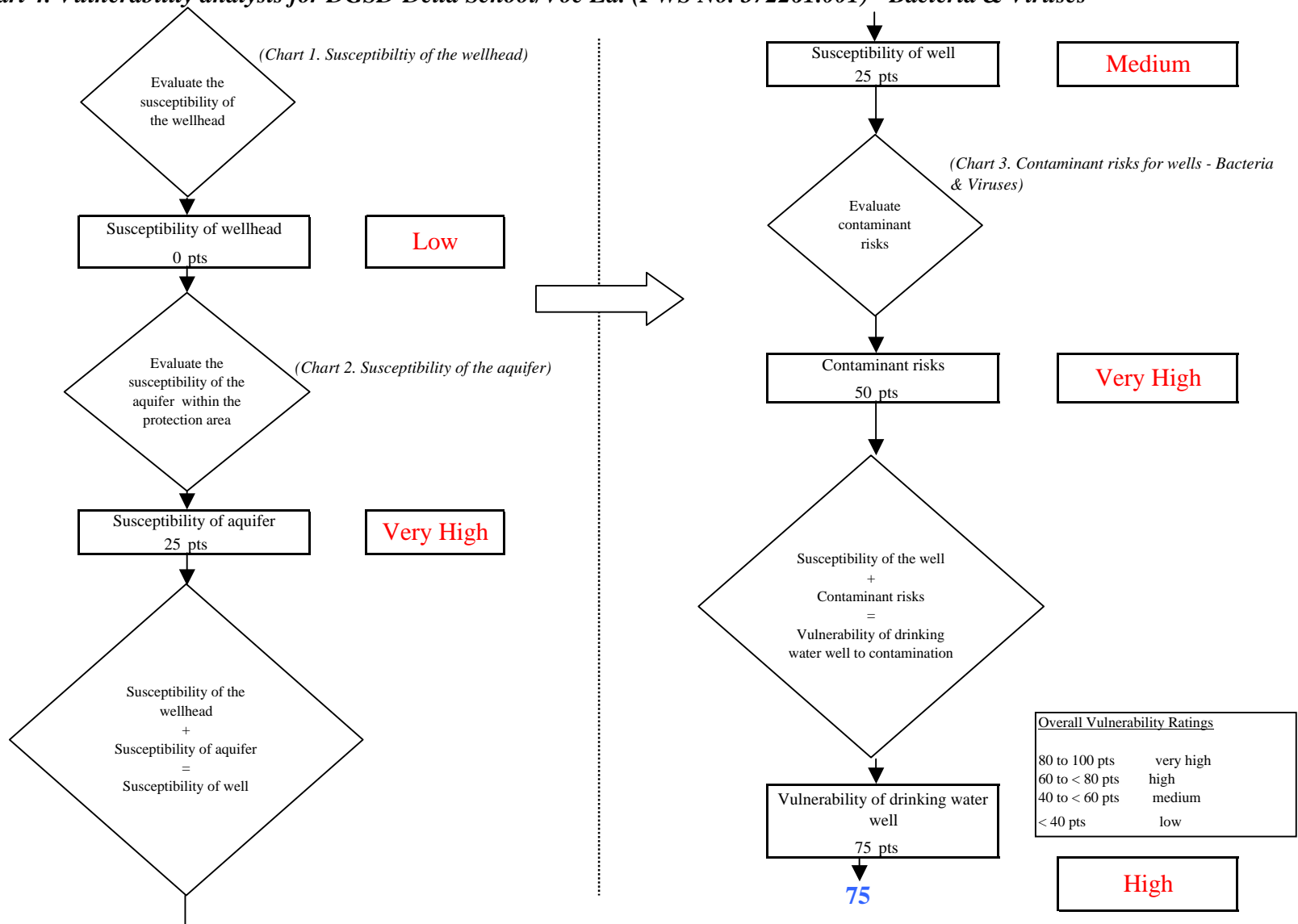


Chart 5. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Nitrates and Nitrites

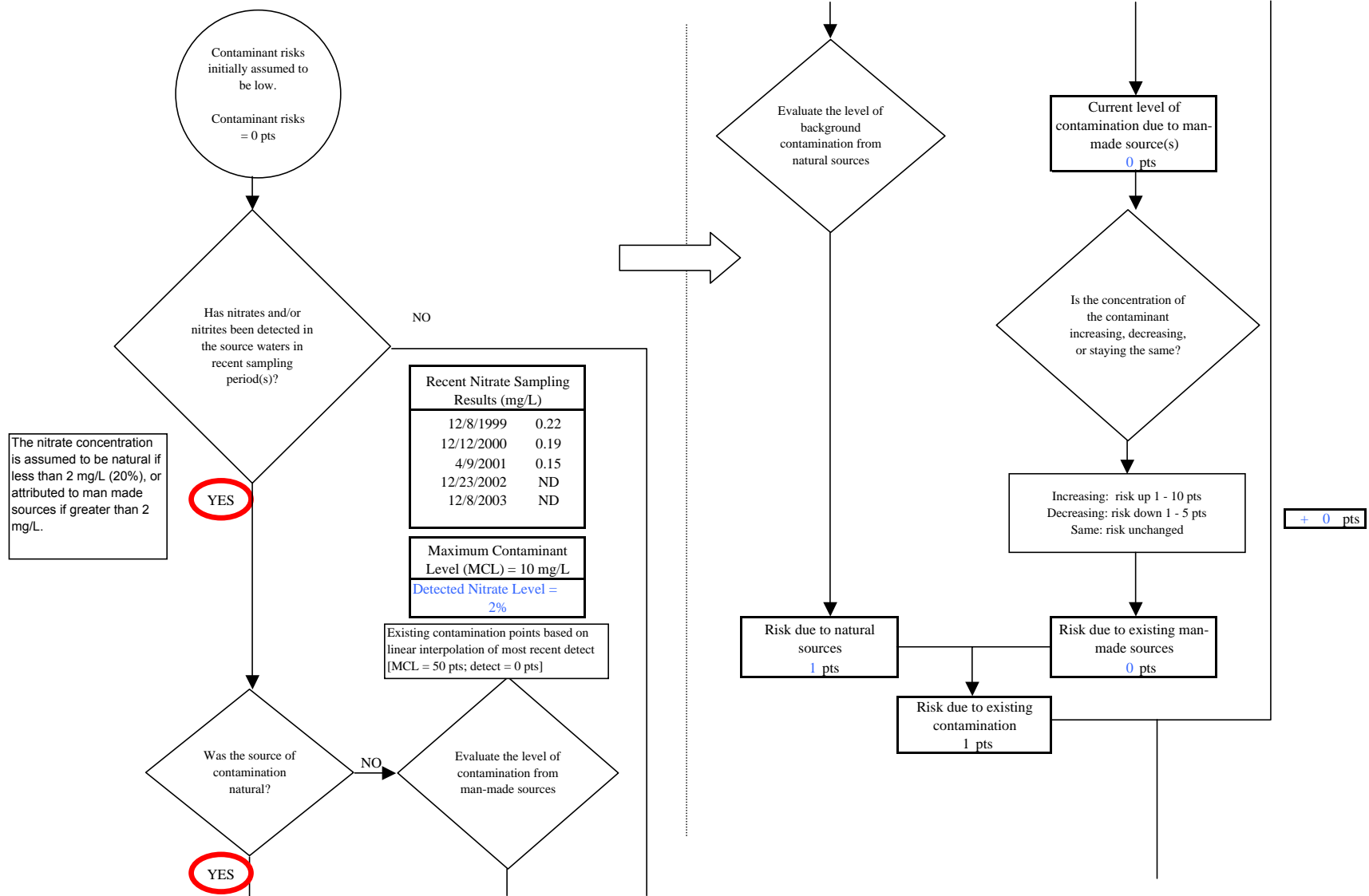


Chart 5. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Nitrates and Nitrites

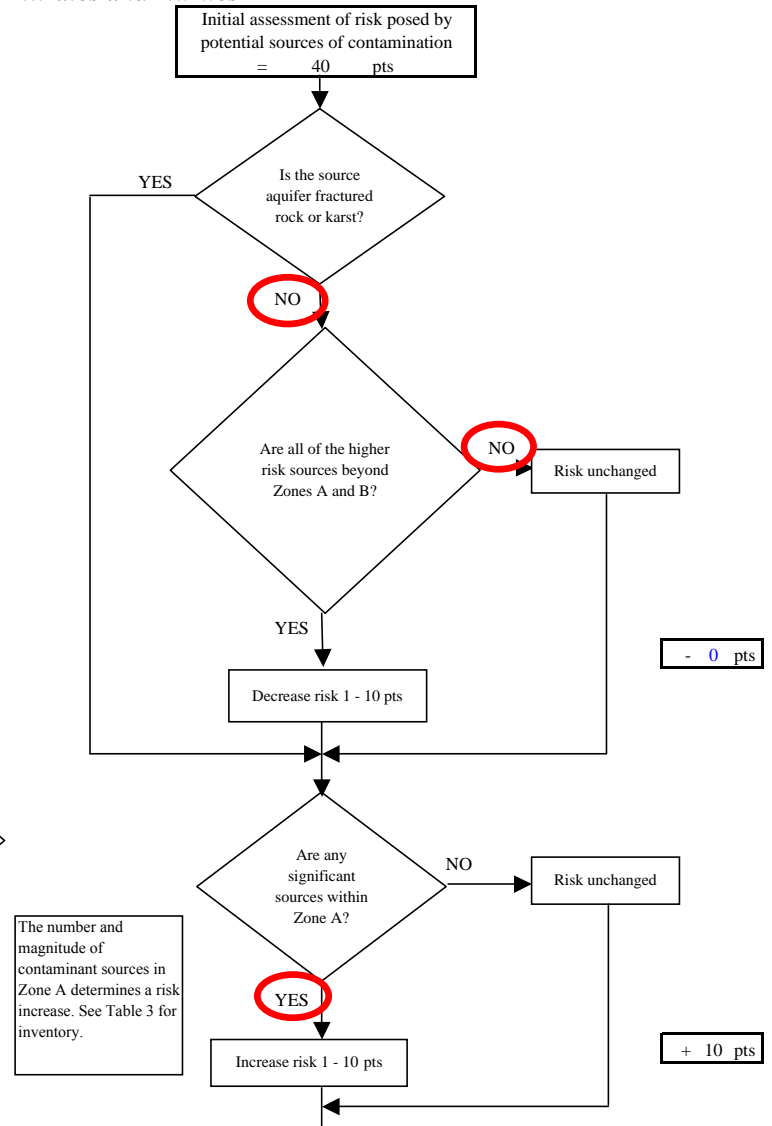
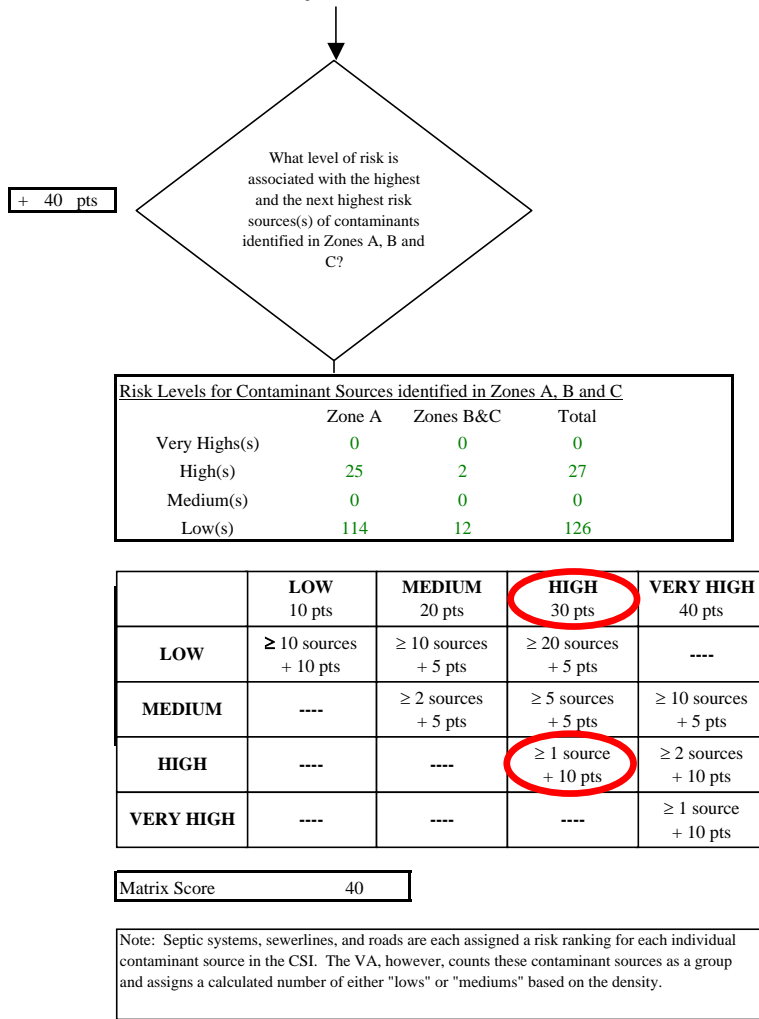


Chart 5. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Nitrates and Nitrites

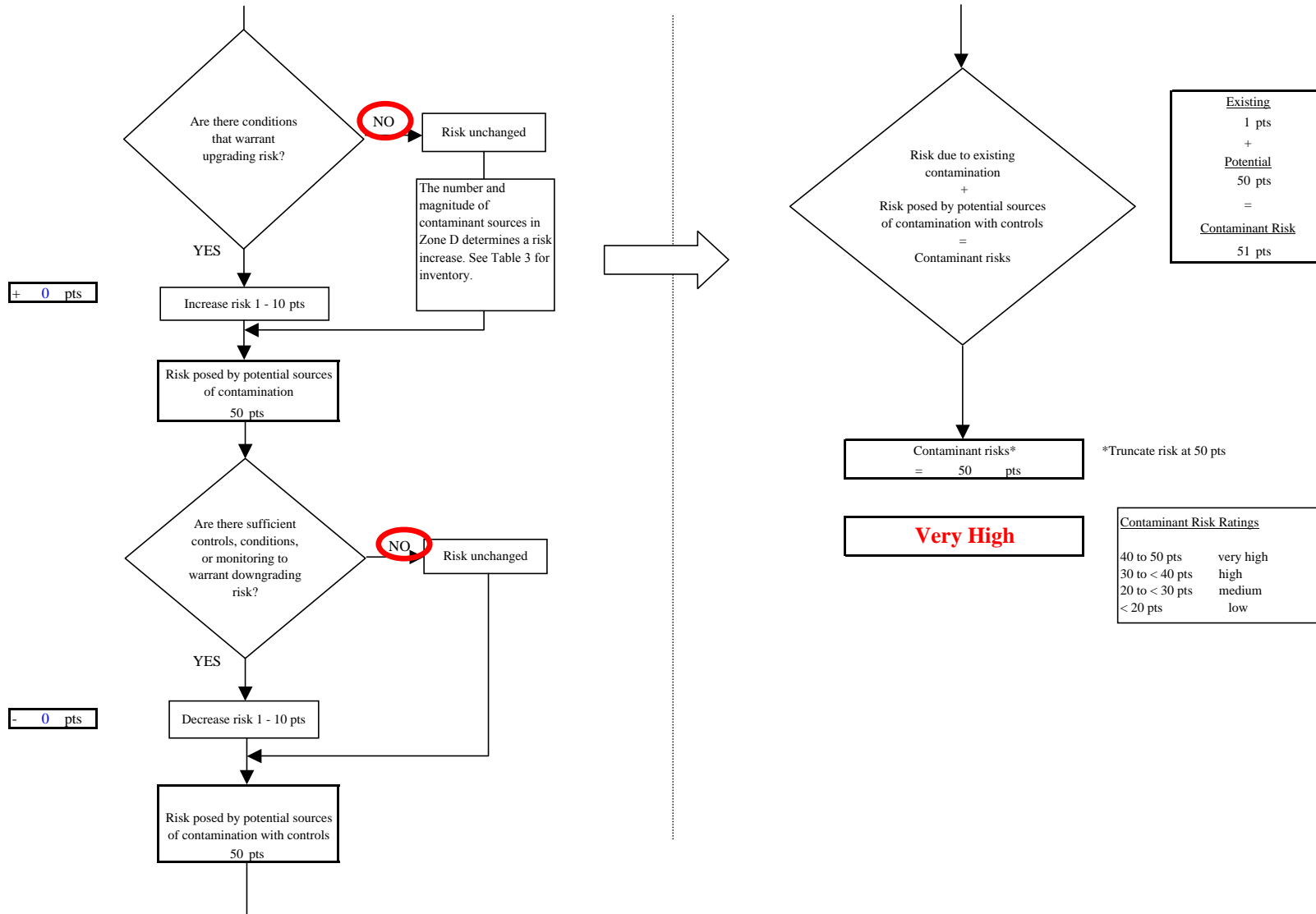


Chart 6. Vulnerability analysis for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Nitrates and Nitrites

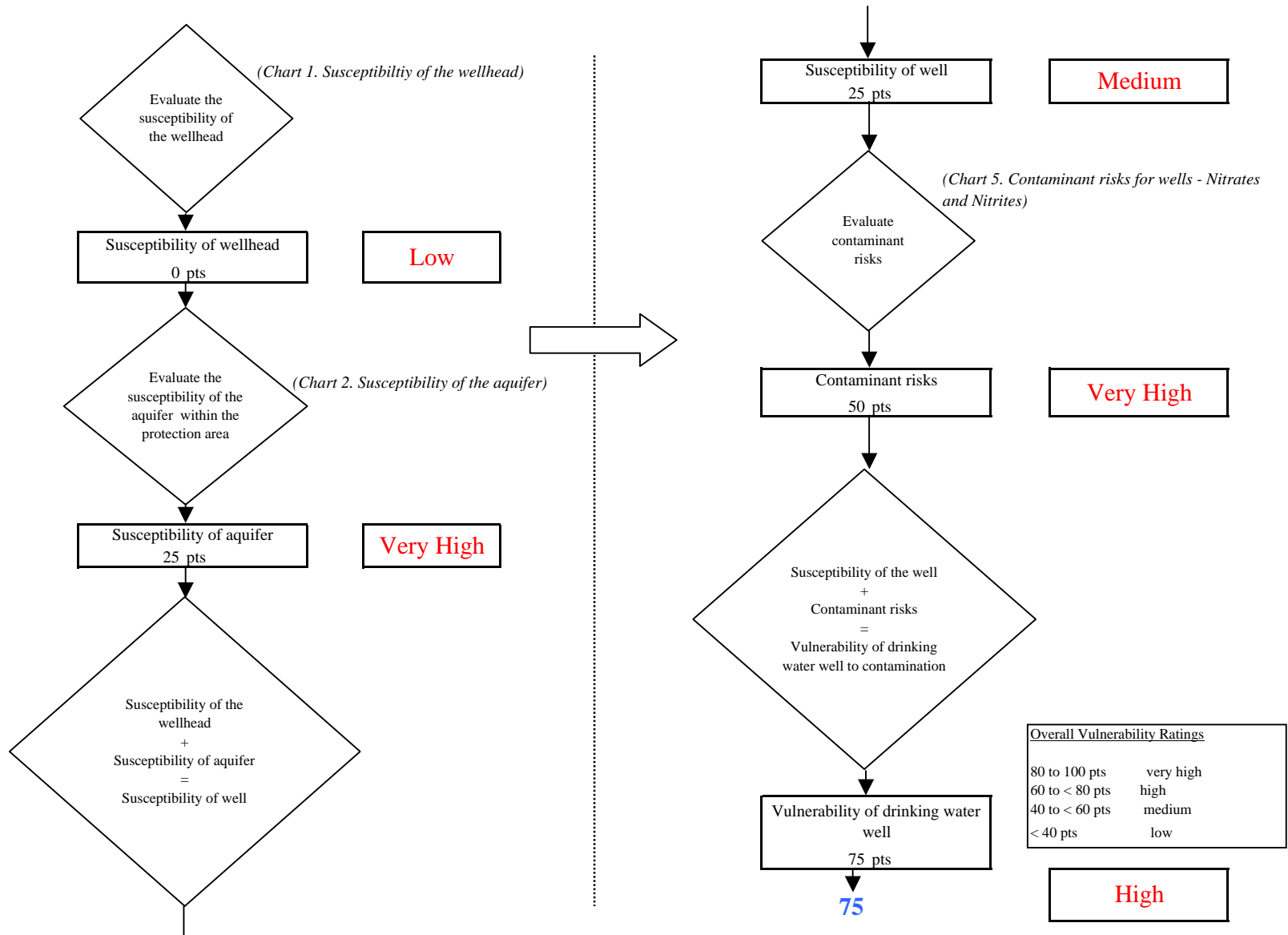


Chart 7. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Volatile Organic Chemicals

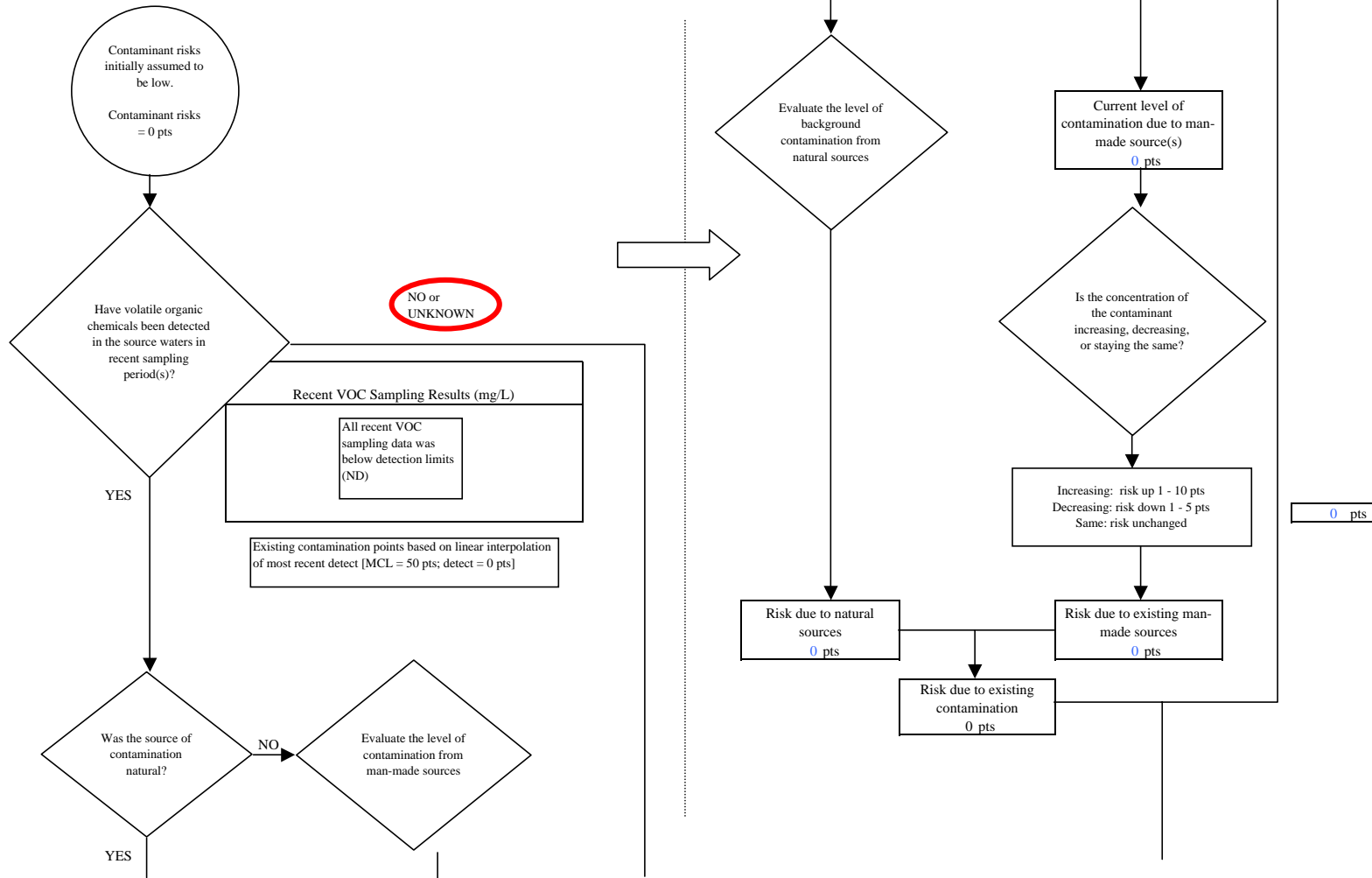
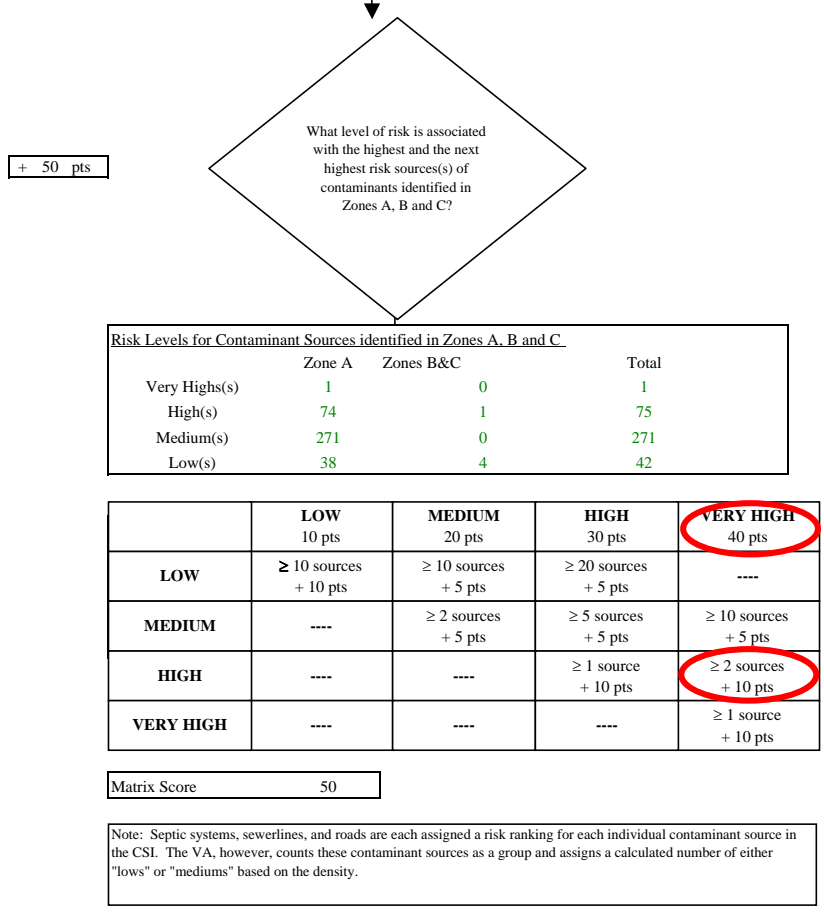


Chart 7. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Volatile Organic Chemicals



+ 50 pts

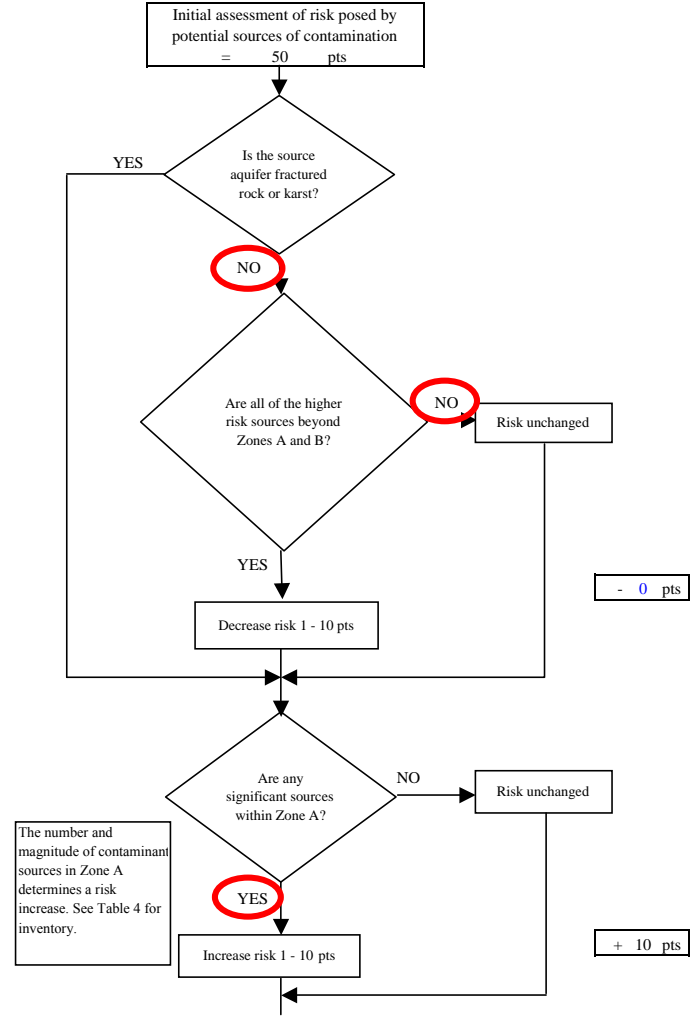


Chart 7. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Volatile Organic Chemicals



Chart 8. Vulnerability analysis for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Volatile Organic Chemicals

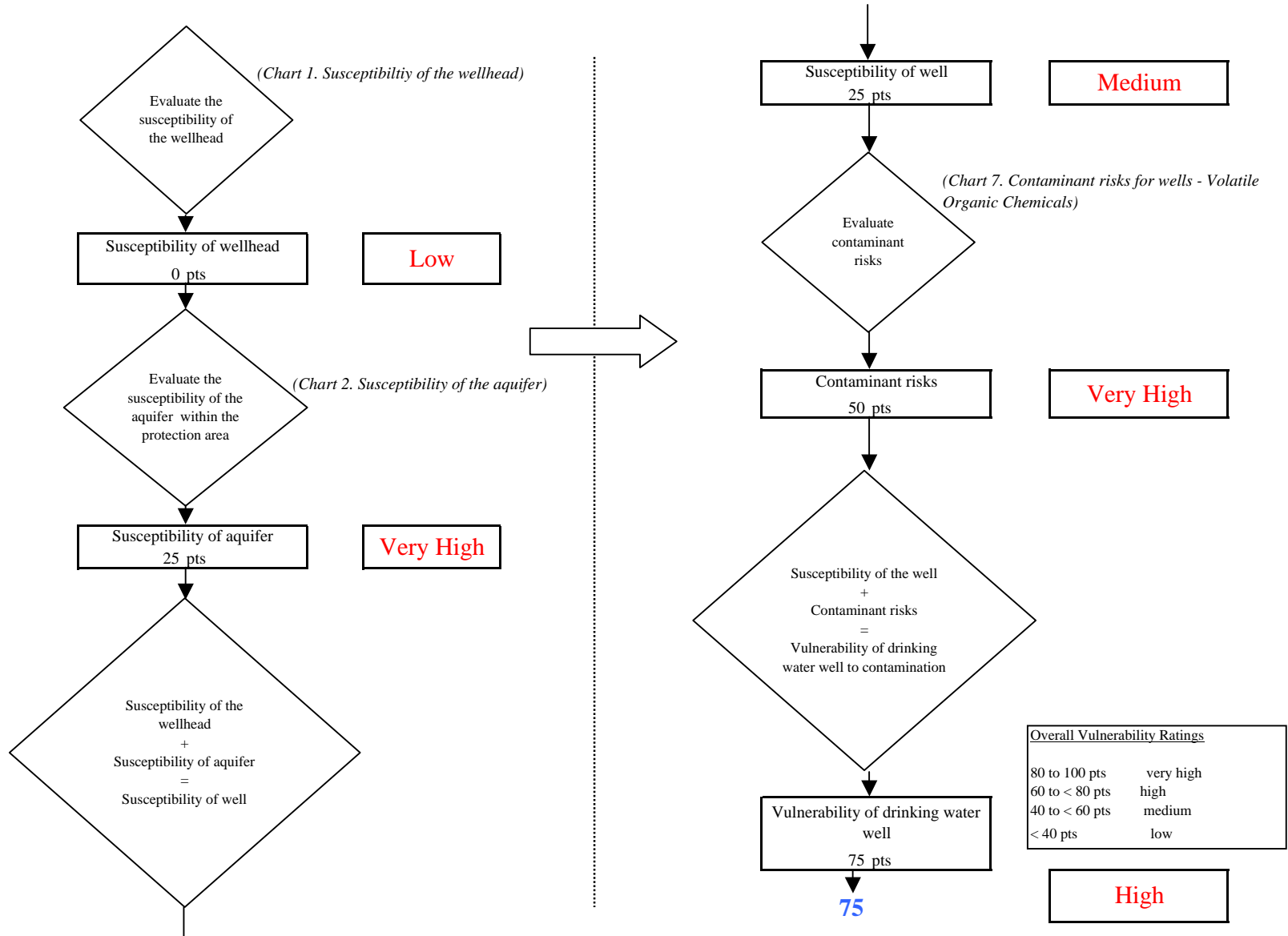


Chart 9. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Heavy Metals, Cyanide and Other Inorganic Chemicals

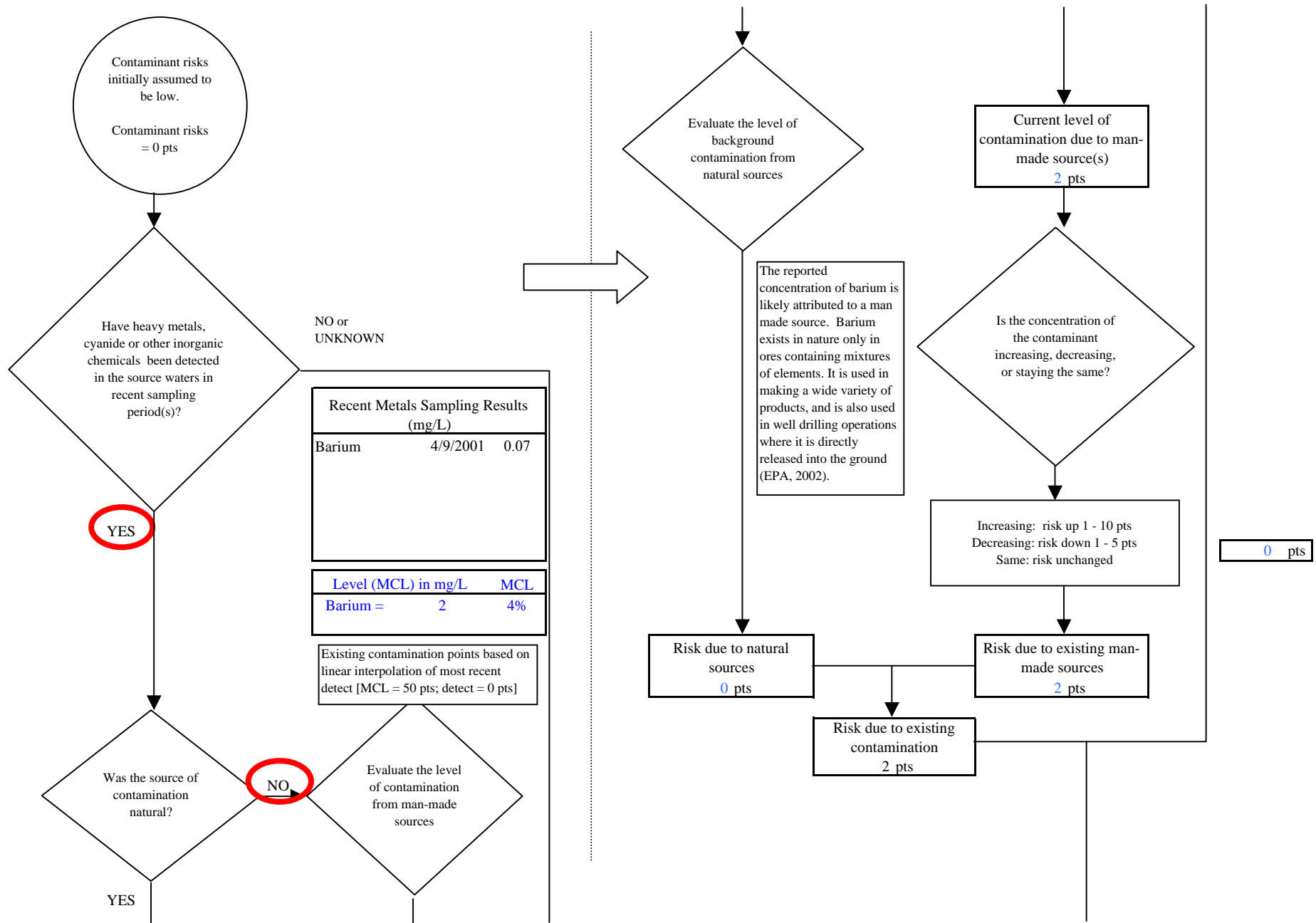


Chart 9. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Heavy Metals, Cyanide and Other Inorganic Chemicals

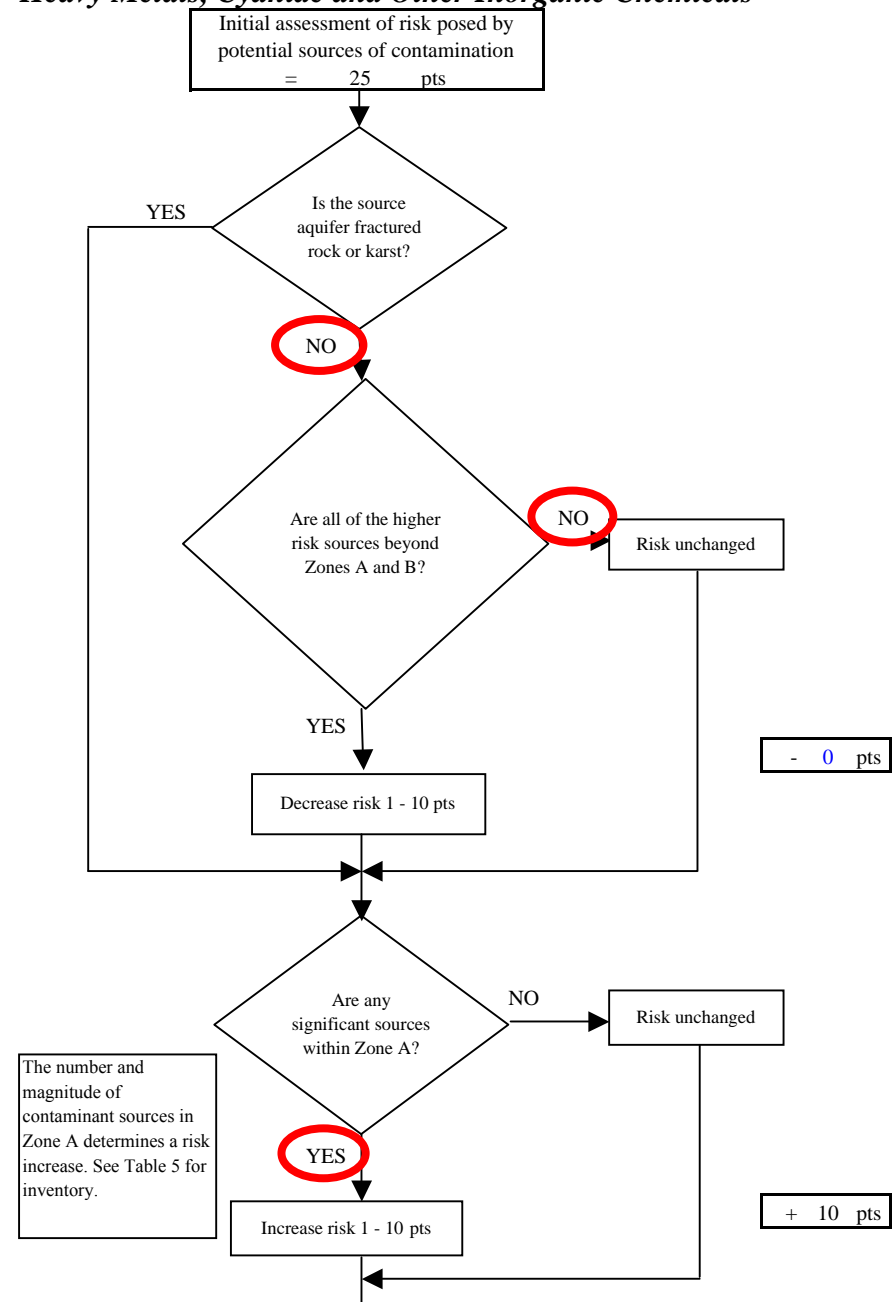
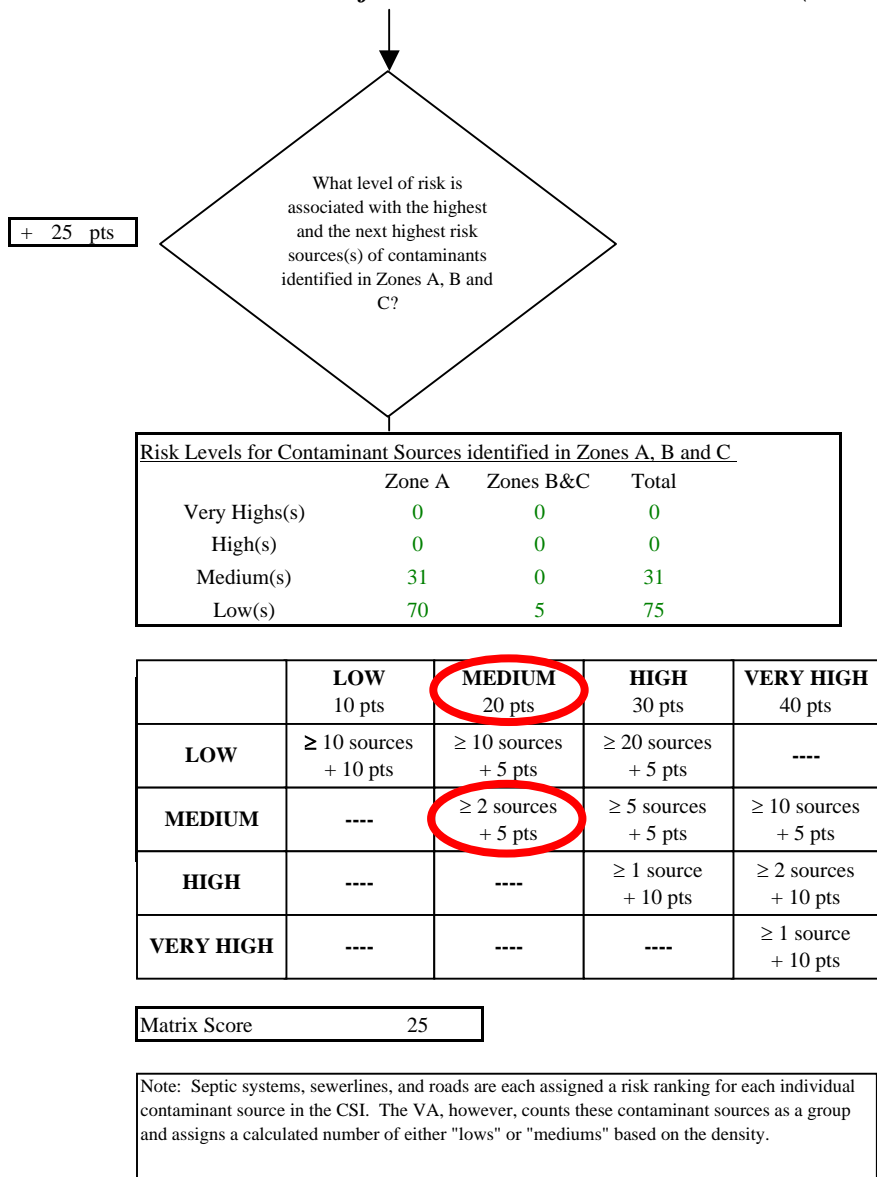


Chart 9. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Heavy Metals, Cyanide and Other Inorganic Chemicals

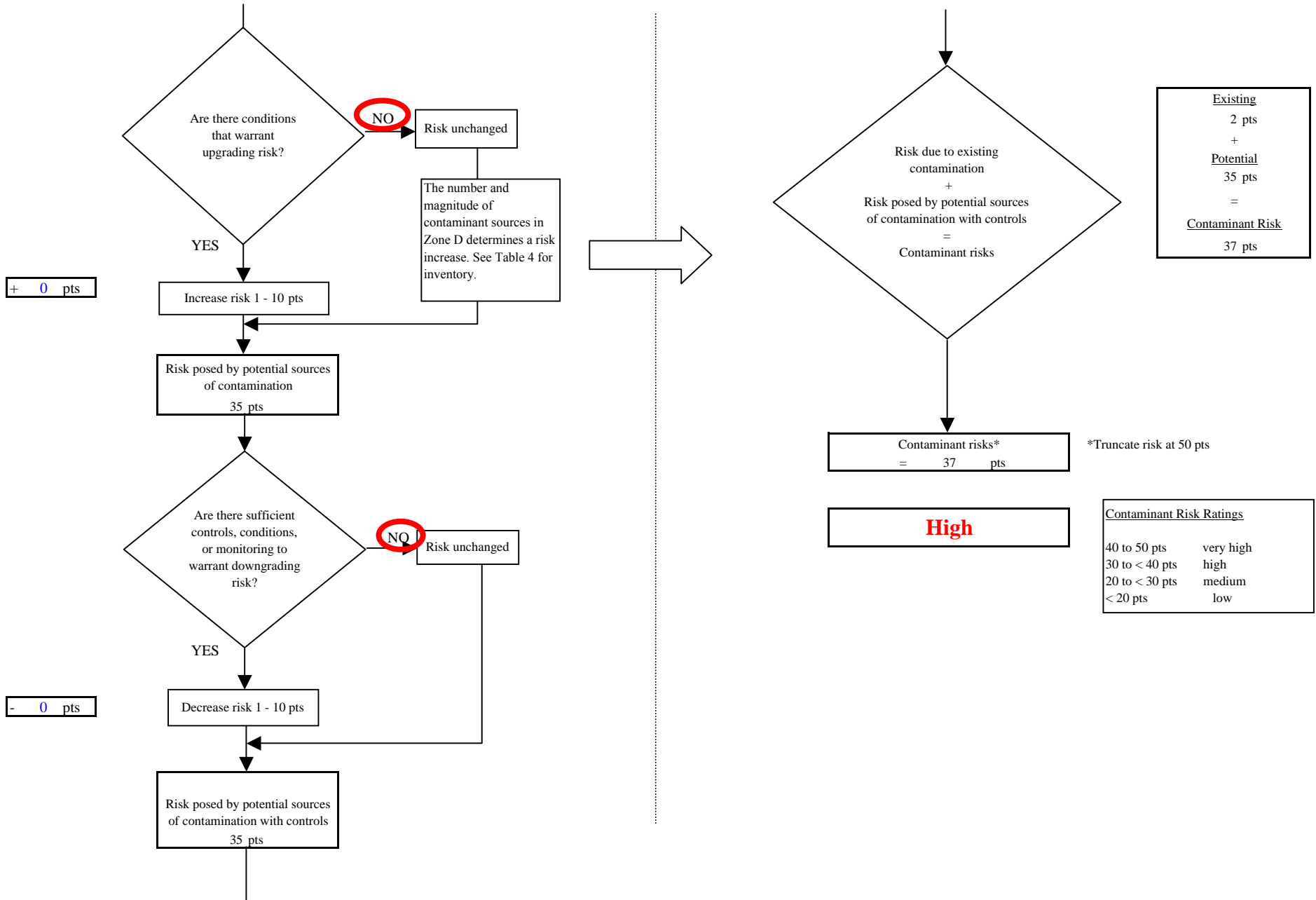


Chart 10. Vulnerability analysis for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Heavy Metals, Cyanide and Other Inorganic Chemicals

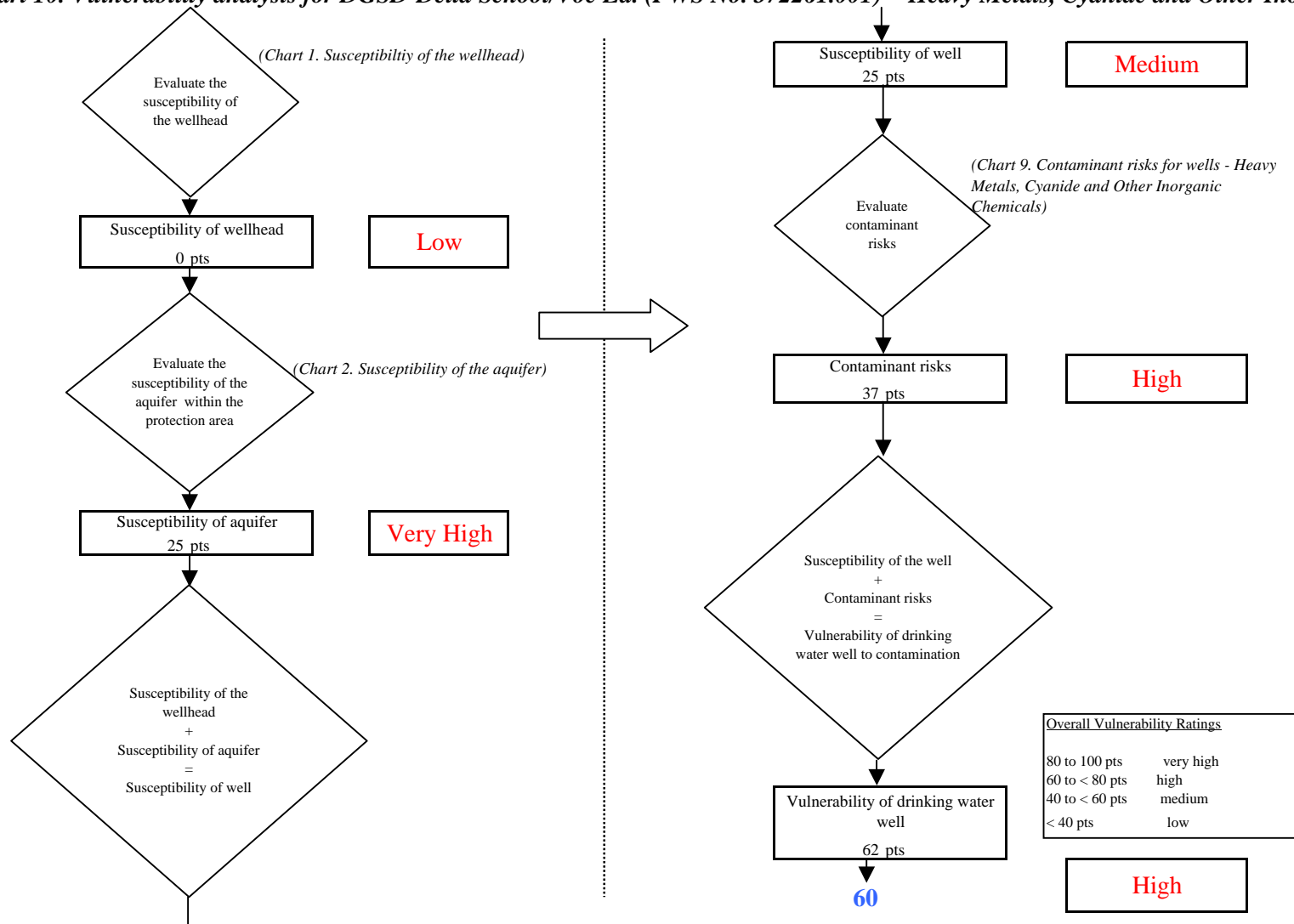


Chart 11. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Synthetic Organic Chemicals

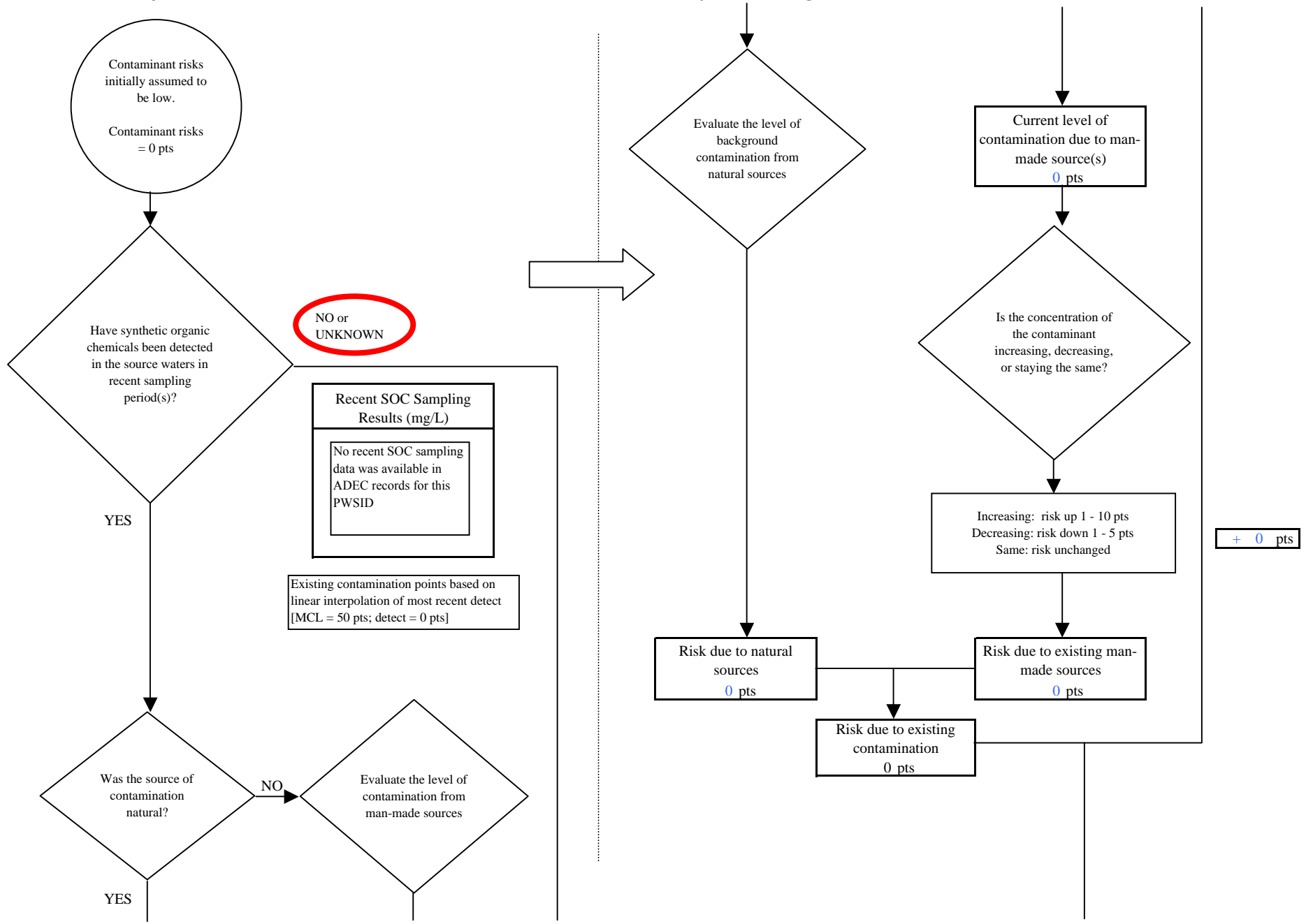
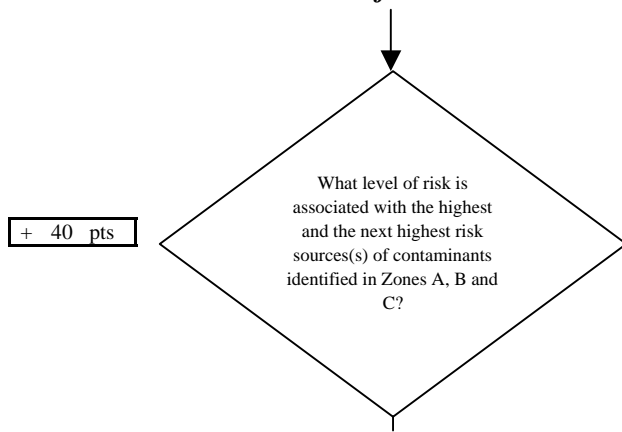


Chart 11. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Synthetic Organic Chemicals



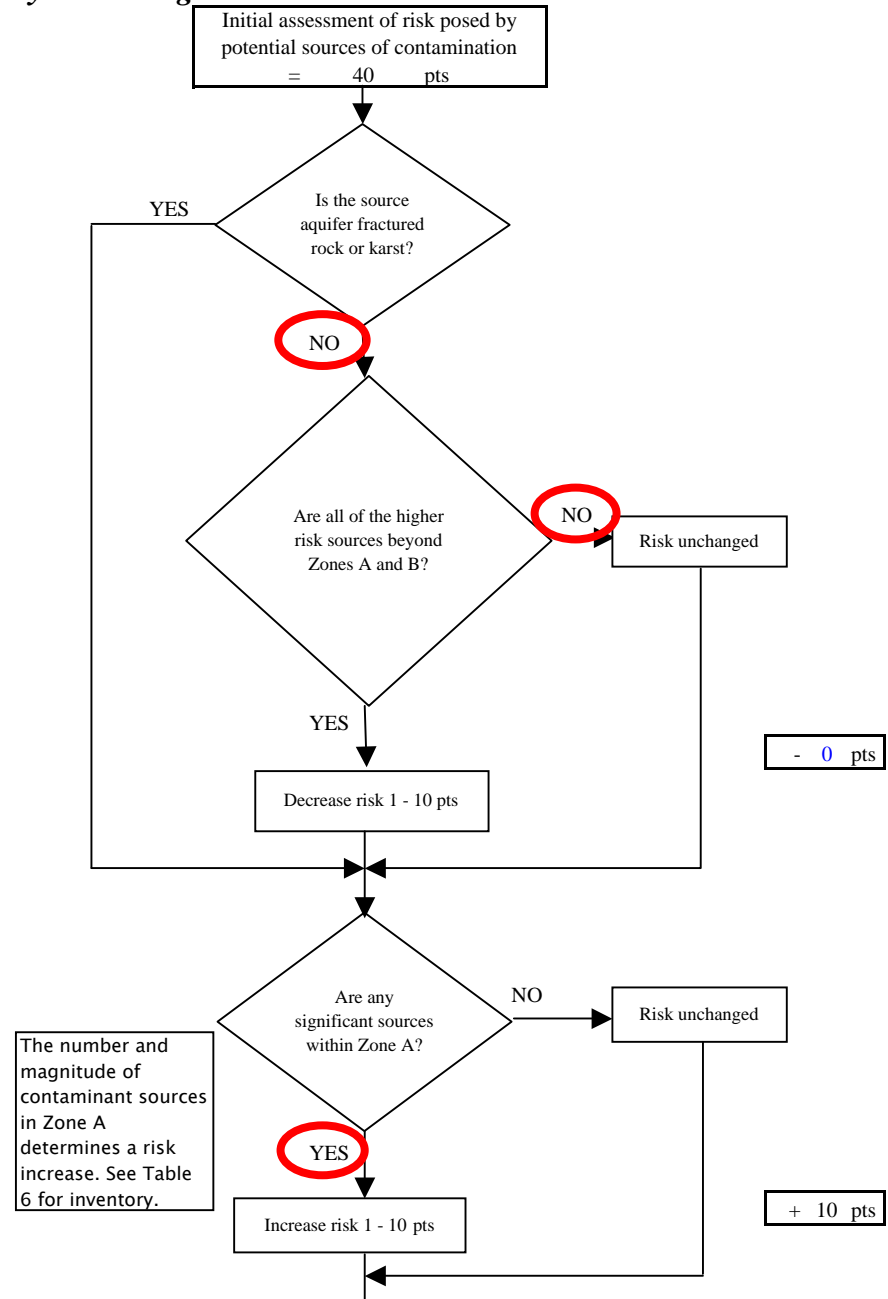
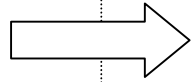
+ 40 pts

| Risk Levels for Contaminant Sources identified in Zones A, B and C | | | |
|--|--------|-----------|-------|
| | Zone A | Zones B&C | Total |
| Very High(s) | 0 | 0 | 0 |
| High(s) | 3 | 0 | 3 |
| Medium(s) | 0 | 1 | 1 |
| Low(s) | 63 | 3 | 66 |

| | LOW 10 pts | MEDIUM 20 pts | HIGH 30 pts | VERY HIGH 40 pts |
|-----------|--------------------------|-------------------------|-------------------------|-------------------------|
| LOW | ≥ 10 sources + 10 pts | ≥ 10 sources + 5 pts | ≥ 20 sources + 5 pts | ---- |
| MEDIUM | ---- | ≥ 2 sources + 5 pts | ≥ 5 sources + 5 pts | ≥ 10 sources + 5 pts |
| HIGH | ---- | ---- | ≥ 1 source + 10 pts | ≥ 2 sources + 10 pts |
| VERY HIGH | ---- | ---- | ---- | ≥ 1 source + 10 pts |

Matrix Score 40

Note: Septic systems, sewerlines, and roads are each assigned a risk ranking for each individual contaminant source in the CSI. The VA, however, counts these contaminant sources as a group and assigns a calculated number of either "lows" or "mediums" based on the density.



- 0 pts

+ 10 pts

Chart 11. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Synthetic Organic Chemicals

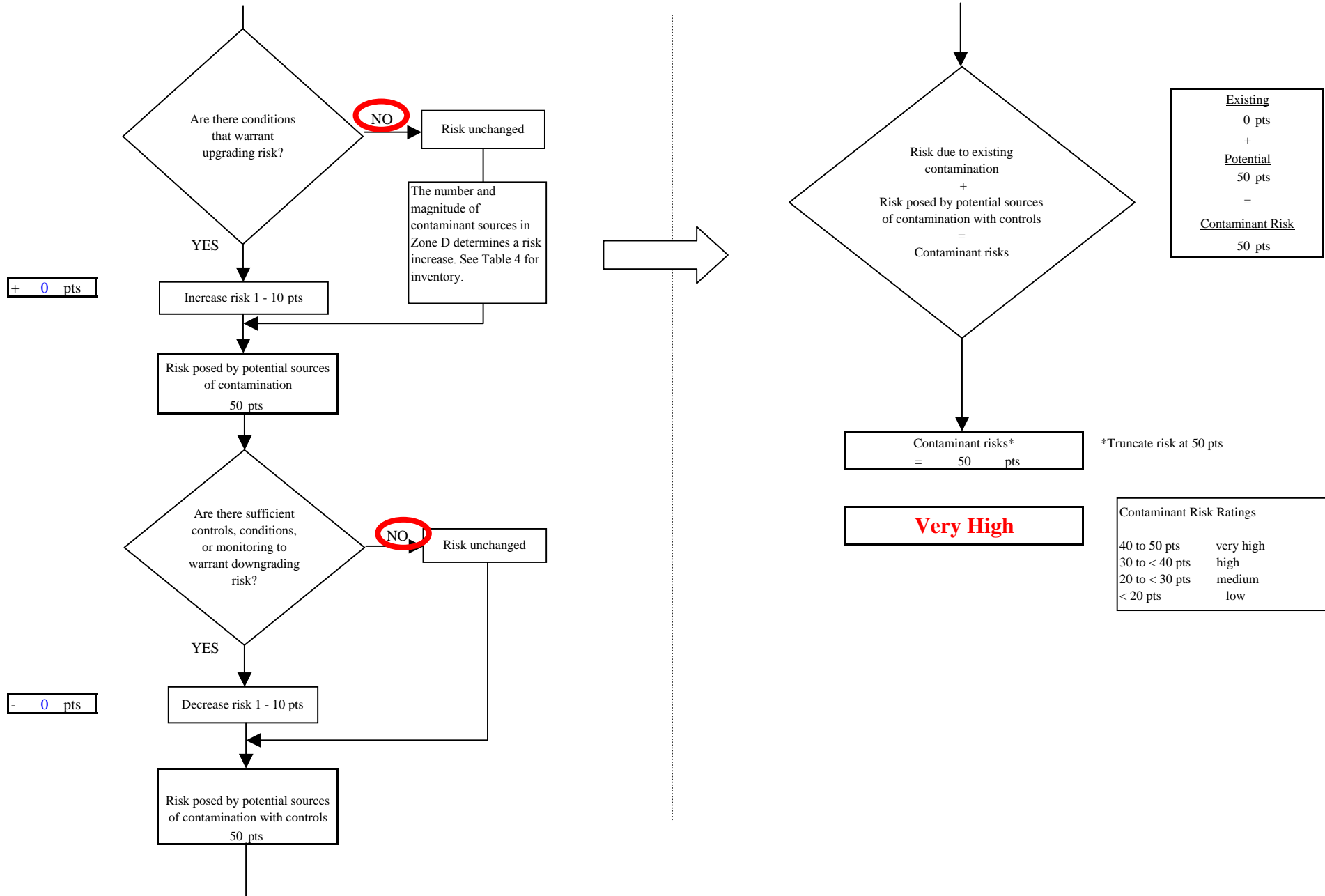


Chart 12. Vulnerability analysis for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Synthetic Organic Chemicals

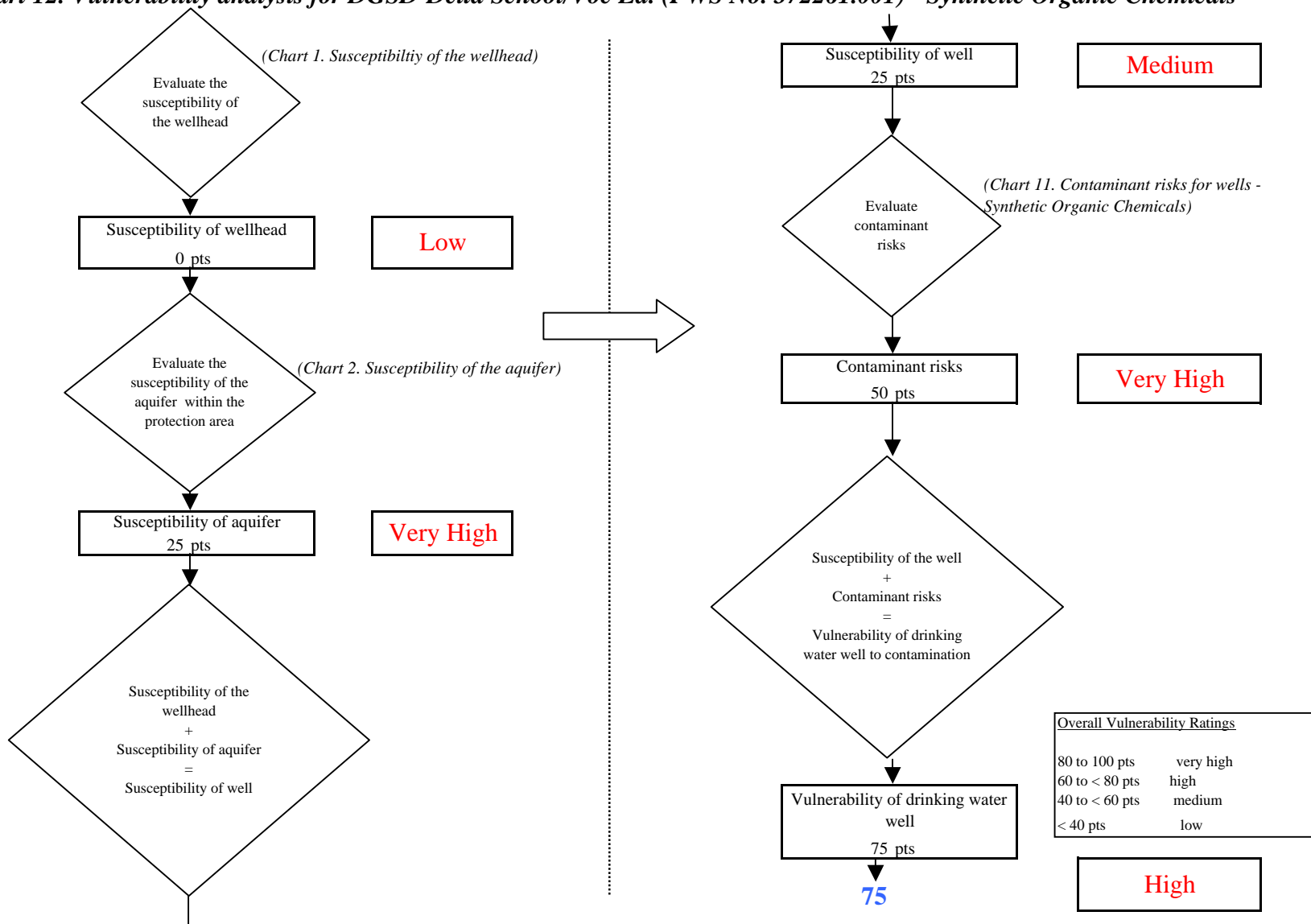


Chart 13. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Other Organic Chemicals

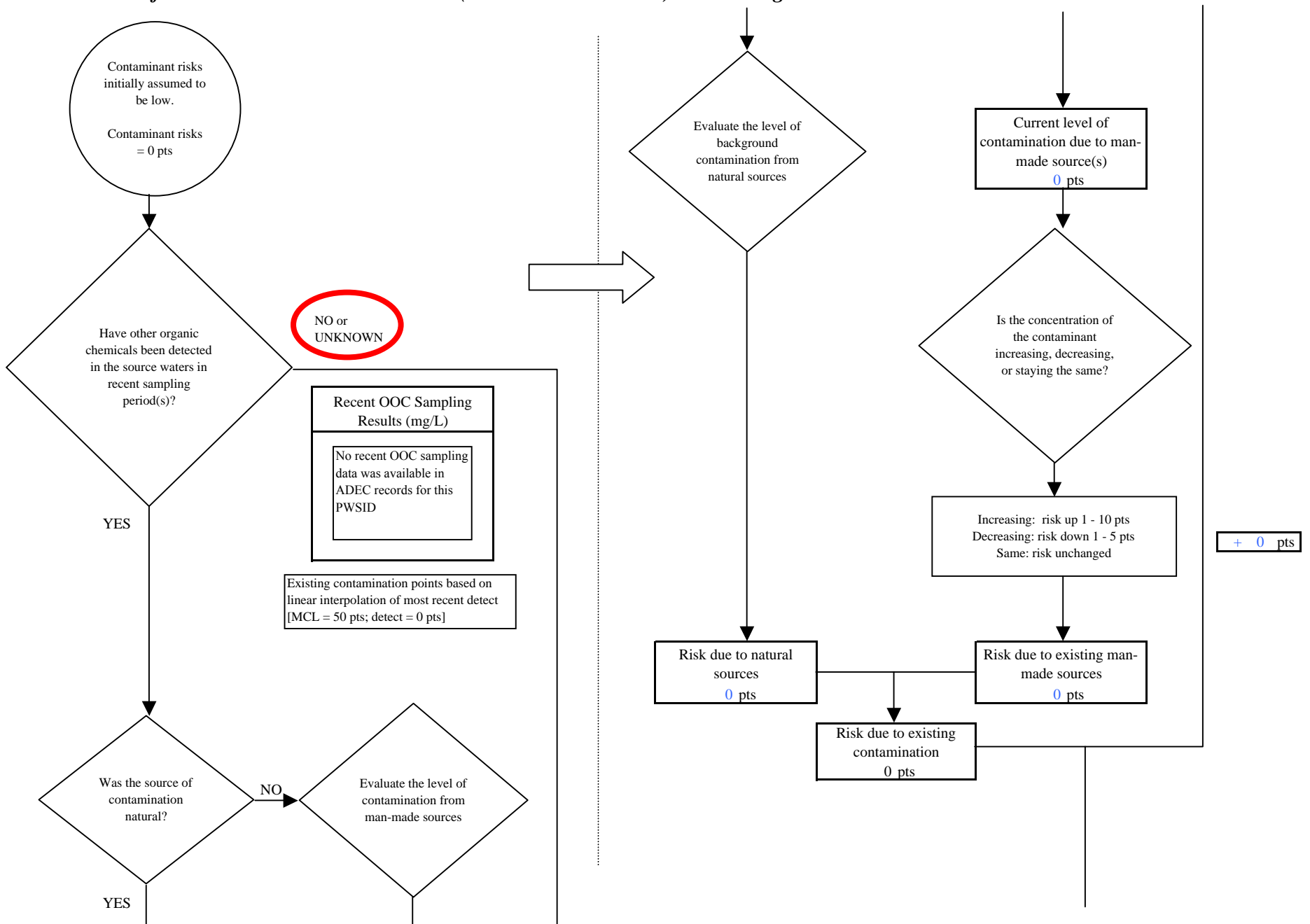
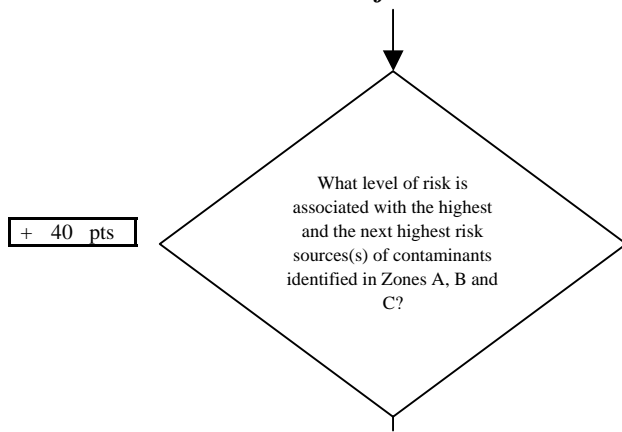


Chart 13. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Other Organic Chemicals



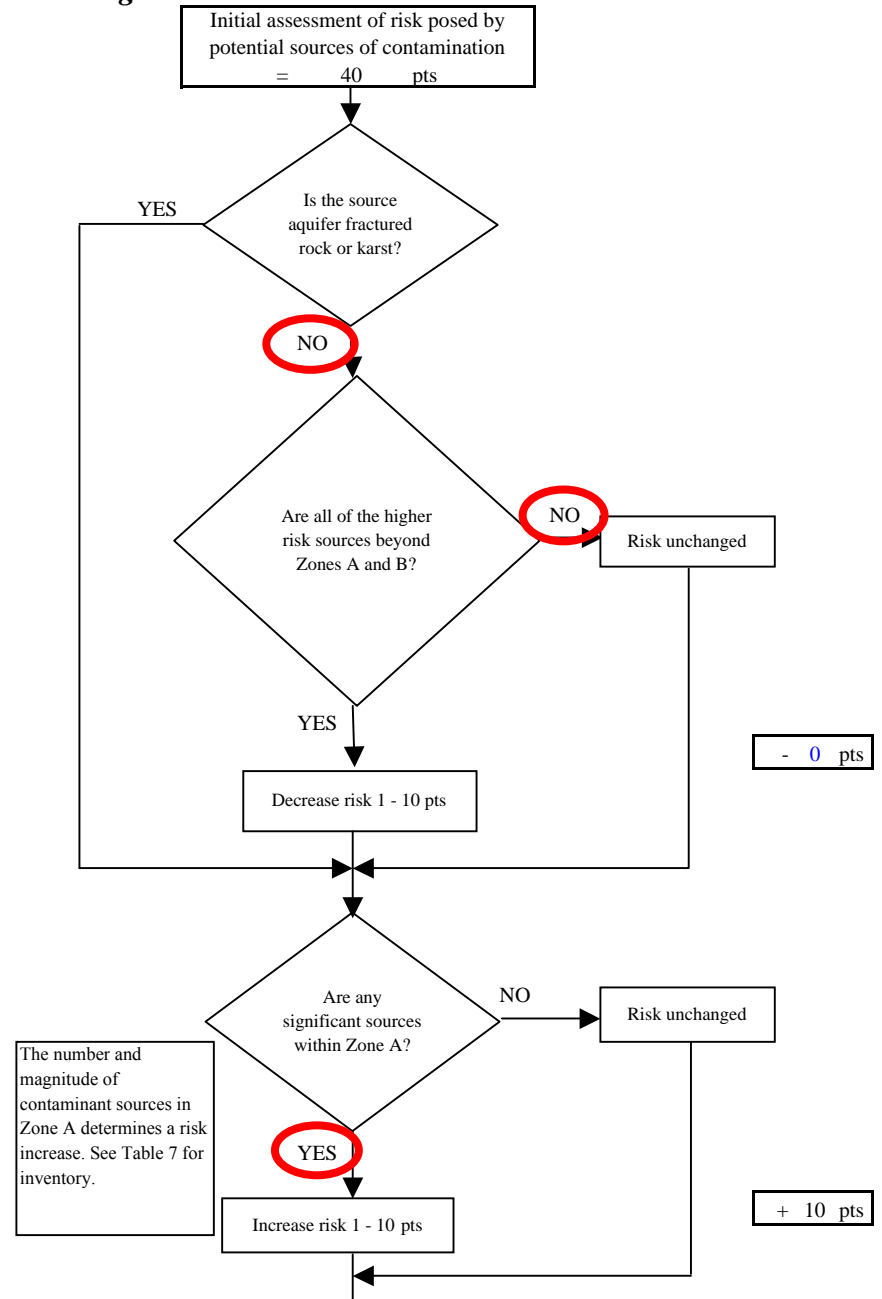
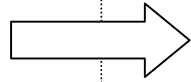
+ 40 pts

| Risk Levels for Contaminant Sources identified in Zones A, B and C | | | |
|--|--------|-----------|-------|
| | Zone A | Zones B&C | Total |
| Very High(s) | 0 | 0 | 0 |
| High(s) | 2 | 0 | 2 |
| Medium(s) | 11 | 1 | 12 |
| Low(s) | 65 | 4 | 69 |

| | LOW 10 pts | MEDIUM 20 pts | HIGH 30 pts | VERY HIGH 40 pts |
|-----------|--------------------------|-------------------------|-------------------------|-------------------------|
| LOW | ≥ 10 sources + 10 pts | ≥ 10 sources + 5 pts | ≥ 20 sources + 5 pts | ---- |
| MEDIUM | ---- | ≥ 2 sources + 5 pts | ≥ 5 sources + 5 pts | ≥ 10 sources + 5 pts |
| HIGH | ---- | ---- | ≥ 1 source + 10 pts | ≥ 2 sources + 10 pts |
| VERY HIGH | ---- | ---- | ---- | ≥ 1 source + 10 pts |

Matrix Score 40

Note: Septic systems, sewerlines, and roads are each assigned a risk ranking for each individual contaminant source in the CSI. The VA, however, counts these contaminant sources as a group and assigns a calculated number of either "lows" or "mediums" based on the density.



- 0 pts

+ 10 pts

Chart 13. Contaminant risks for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Other Organic Chemicals

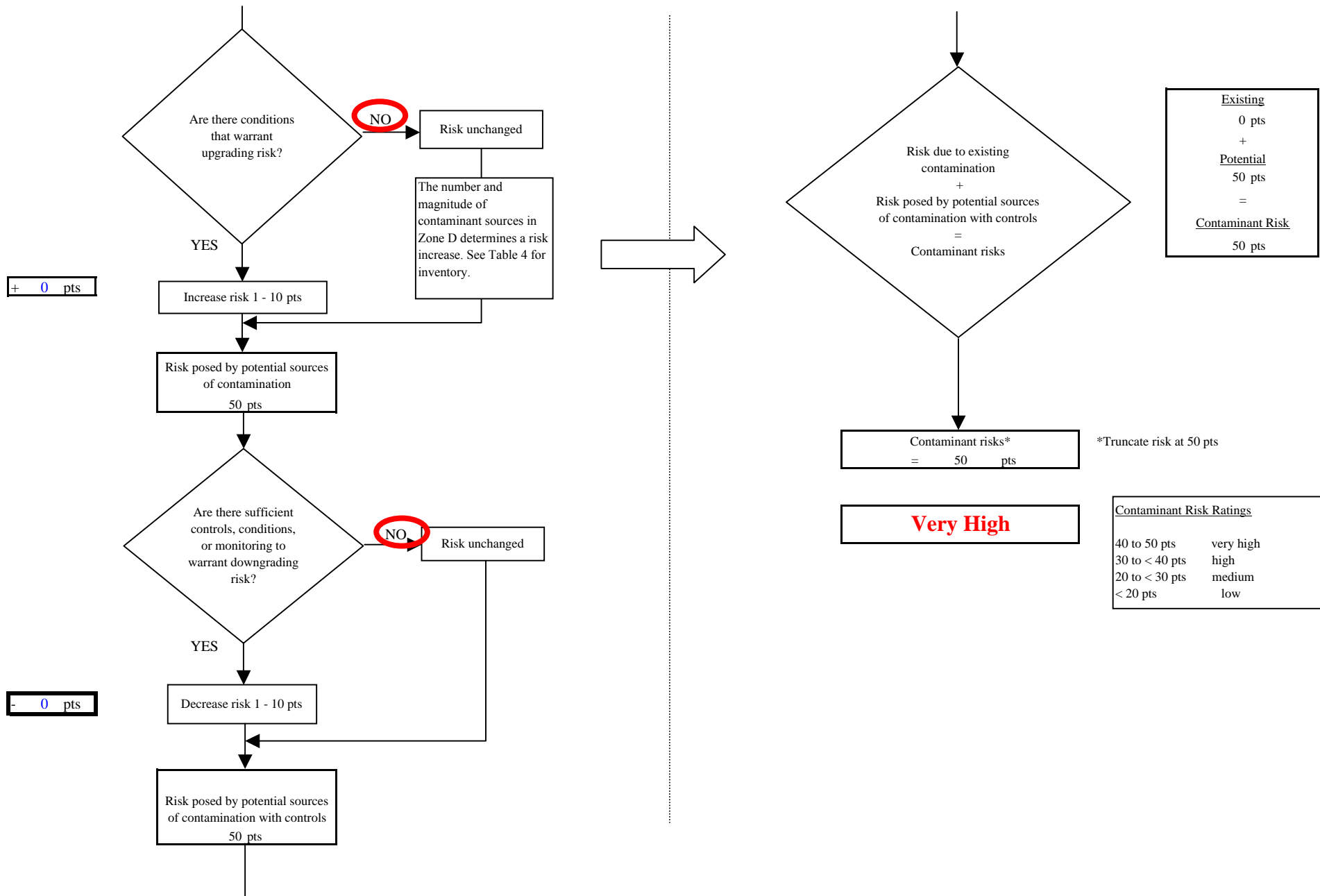


Chart 14. Vulnerability analysis for DGSD-Delta School/Voc Ed. (PWS No. 372261.001) - Other Organic Chemicals

