



9.4.3 SECONDARY CONTAINMENT



This is the section of the technical review where the permit writer reviews the permit application for the adequacy of the secondary containment system. A sufficient secondary containment system is required for every permitted hazardous waste unit. The secondary containment system must be able to adequately detect, contain, and allow removal of any spillage.

KEY QUESTIONS

Is every tank, container, and ancillary equipment handling hazardous waste provided with some type of secondary containment system?

Is each secondary containment system capable of adequately containing leaks from the primary containers?

What are the details of the secondary containment system and what are the routine steps that will be taken by the operator to maintain the integrity of the system?

What devices, pipes, electrical conduit, etc., pierce the secondary containment system and what routine maintenance and/or operational procedures are used to ensure they do not cause leakage?

What are the parameters used to design the secondary containment system?

How does the design or operation of the secondary containment system promote drainage or prevent contact between containers and standing liquid?

What is 10% of the total volume? What is the volume of the largest container? What is the expected rainfall volume from a 24-hour, 25-year storm? What published data was used for the rainfall data?

What is the expected run-on volume from a 24-hour, 25-year storm?

Is each secondary containment system capable of detecting the leaks within 24 hours?

Is each secondary containment system capable of removing any spillage found in the secondary containment space?

Is each secondary containment system discussed in the contingency plan, spill response plan, inspection schedule and training plan? (Adequacies of these plans are covered in the checklist sections covering contingency plans, training plans, and inspection schedules).

REQUIRED OUTPUTS

APPLICABLE REGULATIONS AND STATUTES

State Laws and Regulations:

Cal. Code of Regs., Tit. 22

CHAPTER 10: HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL
Article 2: Definitions

CHAPTER 20: THE HAZARDOUS WASTE PERMIT PROGRAM

Article 2:	Permit Application
66270.14	Contents of Part B: General Requirements
66270.15	Specific Part B Information Requirements for Containers
66270.16	Specific Part B Information Requirements for Tank Systems
CHAPTER 14:	STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TRANSFER, TREATMENT, STORAGE, AND DISPOSAL FACILITIES
Article 2:	General Facility Standards
66264.15	General Inspection Requirements
66264.16	Personnel Training
66264.17	General Requirements for ignitable, Reactive, or Incompatible Wastes
66264.25	Seismic and Precipitation Design Standards
Article 3:	Preparedness and Prevention
66264.31	Design and Operation of Facility
66264.33	Testing and Maintenance of Equipment
Article 4:	Contingency Plan and Emergency Procedures
66264.56	Emergency Procedures
Article 5:	Manifest System, Record Keeping, and Reporting
66264.77	Additional Reports
Article 7:	Closure and Post Closure
66264.111	Closure Performance Standard
66264.114	Disposal or Decontamination of Equipment, Structures and Soils
Article 9:	Use and Management of Containers
66264.174	Inspections
66264.175	Containment
66264.176	Special Requirements for Ignitable or Reactive Wastes
66264.177	Special Requirements for Incompatible Wastes
66264.178	Closure
Article 10:	Tank Systems
66264.192	Design and Installation of New Tank Systems or Components
66264.193	Containment and Detection of Releases
66264.194	General Operating Requirements
66264.195	Inspections
66264.196	Response to Leaks or Spills and Disposition of Leaking or Unfit-for-Use Tank Systems
66264.197	Closure and Post-Closure Care
66264.198	Special Requirements for Ignitable or Reactive Wastes
66264.199	Special Requirements for Incompatible Wastes

Federal Laws and Regulations:

Other Laws and Regulations:

POLICIES

EPA Policies:

Other Policies:

INSTRUCTIONS TO APPLICANTS

Handouts to be Given to Applicants:

Examples to be Given to Applicants:

CEQA CONSIDERATIONS

PUBLIC PARTICIPATION CONSIDERATION

Past problems with secondary containment that have come to the community's attention could raise public concern with the permit application. If such issues arise, they will need to be addressed in the public participation effort.

LEGAL CONSIDERATIONS

INTERAGENCY AGREEMENTS & MOU's

COORDINATION WITH OTHERS

Other DTSC Units:

Environmental/Legislative/Industry Groups:

Other Agencies:

Special Requests:

STEP-BY-STEP PROCEDURES

Flow Charts:

Checklists:

TECHNICAL REFERENCES

EXAMPLES OF COMPLETED WORK PRODUCTS

TIMELINE AND PLANNING

Permit Processing Chart:

Workload Standards:

Statutory & Other Deadlines:

WP File Name 2/CH0943_P.MAN

WP File Name for Checklist: 5/CK0943_P.MAN

List of Examples:

List of Appendices:

List of References: