

TABLE 1
Spillway Requirements for Non Permit Dams

| Drainage Area (Acres) | Principal Spillway Minimum Design Storm Frequency (Years) | Emergency Spillway Minimum Design Storm Frequency (Years) |
|----------------------------------|--|--|
| 0-100 | 5 | 25 |
| 100-250 | 10 | 50 |
| >250 | 25 | 100 |

TABLE 2
**Principal Spillway
PVC Pipe for Use in Earth Dams**

| Nominal Pipe Size | Schedule or standard dimension ratio (SDR) | Max Depth or Fill |
|--------------------------|---|------------------------------|
| 4" or smaller | Schedule 40 | 15 ft. |
| | Schedule 80 | 20 ft. |
| 6", 8", 10" 12" | SDR 26 | 10 ft. |
| | Schedule 40 | 10 ft. |
| | Schedule 80 | 15 ft. |
| | SDR 26 | 10 ft. |

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TABLE 3
**Principal Spillway
Minimum Gauges for Corrugated Metal Pipe**

| | Pipe Dia. (in) | | | | | | Pipe dia. (in) | | | |
|--------------------------------|----------------------------|-----------|-----------|-----------|-----------|-----------|--|------------|-------------|-------------|
| | 12 & less | 24 | 30 | 36 | 42 | 48 | 12 & less | 24 | 30 | 36 |
| Fill Over Pipe (ft) | Steel Minimum Gauge | | | | | | Aluminum ¹ Min. Thickness (in) | | | |
| 1-15 | 16 | 16 | 16 | 14 | 12 | 10 | .06 | .06 | .075 | .075 |
| 15-20 | 16 | 16 | 16 | 14 | 12 | 10 | .06 | .06 | .105 | .105 |

¹ Riveted or helical fabrication

TABLE 4
Minimum Top Width for Dams

| Total Height of Embankment (ft) | Top Width |
|--|------------------|
| 10 or less | 6 |
| 10-15 | 8 |
| 15-20 | 10 |
| 20-25 | 12 |
| 25-35 | 14 |
| 35 or more | 15 |

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