Facility Name __________________________________
Address ______________________________________
Co-City-Vic _____________________________________
Mo/Day/Yr _____ / _____ / ______ Time ____________
Type of Disaster __________________________________

SAP ID #s. __________ __________
Other Reports _________________________
No. Photos _____ No. Sketches ________
Ref. Dwgs. _________________________
Est. Damage %___________________

SAFETY INSTRUCTIONS: The possibility of toxic gases in confined spaces or of fuel leaks should be recognized as a potential hazard.

CAUTION: The primary purpose of the report is to advise of the condition of the facility for immediate continued use/occupancy. REINSPECTION OF THE FACILITY IS RECOMMENDED. AFTERSHOCKS MAY CAUSE DAMAGE THAT REQUIRES REINSPECTION. The conclusions reached by engineers who re-examine the facility later should take precedence. The assessment team will not render further advice in the event of conflict of engineering recommendations.

A. CONDITION:

<table>
<thead>
<tr>
<th>Existing:</th>
<th>None</th>
<th>Recommended:</th>
<th>Green</th>
<th>Yellow</th>
<th>Red</th>
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</thead>
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<tr>
<td>Green</td>
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<tr>
<td>Yellow</td>
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<td>Red</td>
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B. RECOMMENDATIONS

<table>
<thead>
<tr>
<th>Monitor</th>
<th>O</th>
<th>Continue in service, repair ASAP</th>
<th>O</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove from service</td>
<td>O</td>
<td>Drain and repair</td>
<td>O</td>
</tr>
<tr>
<td>Continue in service</td>
<td>O</td>
<td>Lower water level and continue service</td>
<td>O</td>
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</table>

C. COMMENTS

_________________________________________________________________________________
_________________________________________________________________________________
STEEL RESERVOIR

D. RESERVOIR DESCRIPTION

Capacity _____ MG  Wall Height _____ ft O/S Diameter _____ ft

Roof Type  O  Wood  O  Steel  O  Flat  O  Conical  O  Knuckled Edge

Shell  O  Welded  O  Bolted  O  Riveted

Floor support  O  Footing ring  O  Oiled sand  O  A.C.  O  Other ______________

Footing  O  Concrete ring  O  Other _____________  O  None

Pipe connection  O  Rigid  O  Flexible

Anchorage to foundation _____ Dia. __________ Spacing

DAMAGE OBSERVED (D.O.)

Damage Scale:  0  1  2-3-4  5  6  NA  NO  
None (0%)  Slight (1-10%)  Moderate (11 - 40%)  Severe (41 - 60%)  Total (over 60%)  Applicable  Not  Observed

E. SHELL

D.O.  

_____ Elephant's foot

  a. Height _____ ft

  b. Circumferential extent _____ ft

_____ Other buckling

_____ Horizontal joints broken

_____ Vertical joints broken

_____ Plate split

_____ Seismic anchors

_____ Rocking of reservoir evidenced

_____ Sliding of reservoir evidenced

_____ Leaks evident. Rate ________ gpm

F. VALVE PIT

D.O.  

_____ Access

  _____ Control Piping

  _____ Gauges

  _____ Hatches

  _____ Inlet-outlet piping

  _____ Pit flooded

  _____ Roof

  _____ Walls

  _____ Charts

  _____ Valves

  G. _____ Roof

  H. _____ Footing

  I. _____ Floor

  J. _____ Aboveground Piping

  K. _____ Underground Piping

L. REMARKS

_____________________________________________________________________

________________________________________________________________________________

________________________________________________________________________________

________________________________________________________________________________
### RESERVOIR DESCRIPTION:

<table>
<thead>
<tr>
<th>Wire or Strand Wrapped</th>
<th>Buttress Type using individual Tendons, usually inside wall</th>
<th>Bar Tendons on Tank Surface</th>
</tr>
</thead>
</table>

**TENDONS:**
- O 220 ksi - 0.142" or 0.172" dia
- O 270 ksi - 3/8" dia

**WALL CONSTRUCTION:**
- O Cast-in-place
- O Shotcrete
- O Shotcrete w/ steel diaphragm
- O Precast
- O Precast w/ steel diaphragm

**TENDON PROTECTION SYSTEMS:**
- O Shotcrete
- O Corrosion inhibiting grease
- O Galvanizing protected by plastic sheath
- O Grout

**Tank Restraints:**
- O Seismic cables
- O Curb (restraining sliding)

**Capacity _____ MG**
**Wall height _____ ft**
**O/S diameter _____ ft**

**Roof Type:**
- O Flat
- O Dome
- O Exposed
- O Fill depth _____
- Surface usage ____________

**Yes**
**No**

### DAMAGE OBSERVED (D.O.)

<table>
<thead>
<tr>
<th>Damage Scale</th>
<th>None (0%)</th>
<th>Slight (1-10%)</th>
<th>Moderate (11-40%)</th>
<th>Severe (41-60%)</th>
<th>Total (over 60%)</th>
<th>Not Applicable</th>
<th>Not Observed</th>
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</table>

### SHELL

**D.O.**

- Shell or shotcrete cracked
- Vertical cracks more than 2 feet long
- Unexplained excessive loss of contents
- Bulging observable
- Visible construction joints
- Wall leaking
- Wet spots
- Spouts
- Horizontal cracks more than 25% of perimeter
- Corrosion at horizontal cracks
- Shotcrete delaminated at cracks
- Attachments to shell loose

### HORIZONTAL PRESTRESSING

**D.O.**

1. Wrapping:
   - O Corrosion
   - O Corrosion at horizontal cracks

2. Individual tendons:
   - O Corrosion products
   - O Leaks @ tendon locations
   - O Leaks @ tendon anchorages
   - O Tendon anchorage distressed
   - O Tendon anchorage disrupted/loose
   - O Cracking in vicinity of tendon anchorage
   - O Tendon location visually observable
   - O Discoloration of concrete in line w/tendons
Facility Name ___________________________________ SAP ID #s _________________________

Leaks @ rust stains
Major leaks at shell/foundation joint
Unexplained wet spots on adjacent ground
Corrosion at manholes/other penetrations

Leakage rate ______ gpm

3. Bar tendons on surface:
   ___ Tendons failed
   ___ Tendons sound loose
   ___ Evidence of rust

DAMAGE OBSERVED (D.O.)

Damage Scale:

<table>
<thead>
<tr>
<th></th>
<th>0</th>
<th>1</th>
<th>2-3-4</th>
<th>5</th>
<th>6</th>
<th>NA</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>(0%)</td>
<td>(1-10%)</td>
<td>(11 - 40%)</td>
<td>(41 - 60%)</td>
<td>(over 60%)</td>
<td>Applicable</td>
<td>Observed</td>
</tr>
</tbody>
</table>

P. ROOF

D.O.

Flat or conical
___ Displaced with respect to wall
___ Sagging
___ Cracked at edges
___ Cracked at interior supports
___ Supporting column spalled

Dome Shell
___ Shotcrete
___ O CIP concrete
___ Precast concrete
___ Construction joints
___ Cracks
___ Show reinforcement/corrosion
___ Increasing with time
___ Delaminating
___ Misalignment of surface
___ Rust lines @ top of soffit over rebars
___ Dome Ring
___ Corrosion
___ Distress @ shell/ring juncture
___ Shotcrete loose/hollow-sounding
___ Vertical cracks
___ Wire (strand) exposed/corroded

Q. ____ FOOTING

R. ____ FLOOR

S. ____ ABOVEGROUND PIPING

T. VALVE PIT

____ Access
____ Control piping
____ Gauges
____ Hatches (equipment)
____ Inlet-outlet piping
____ Pit flooded (depth ______ ft)
____ Roof
____ Walls
____ Charts
____ Valves

U. REMARKS
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________