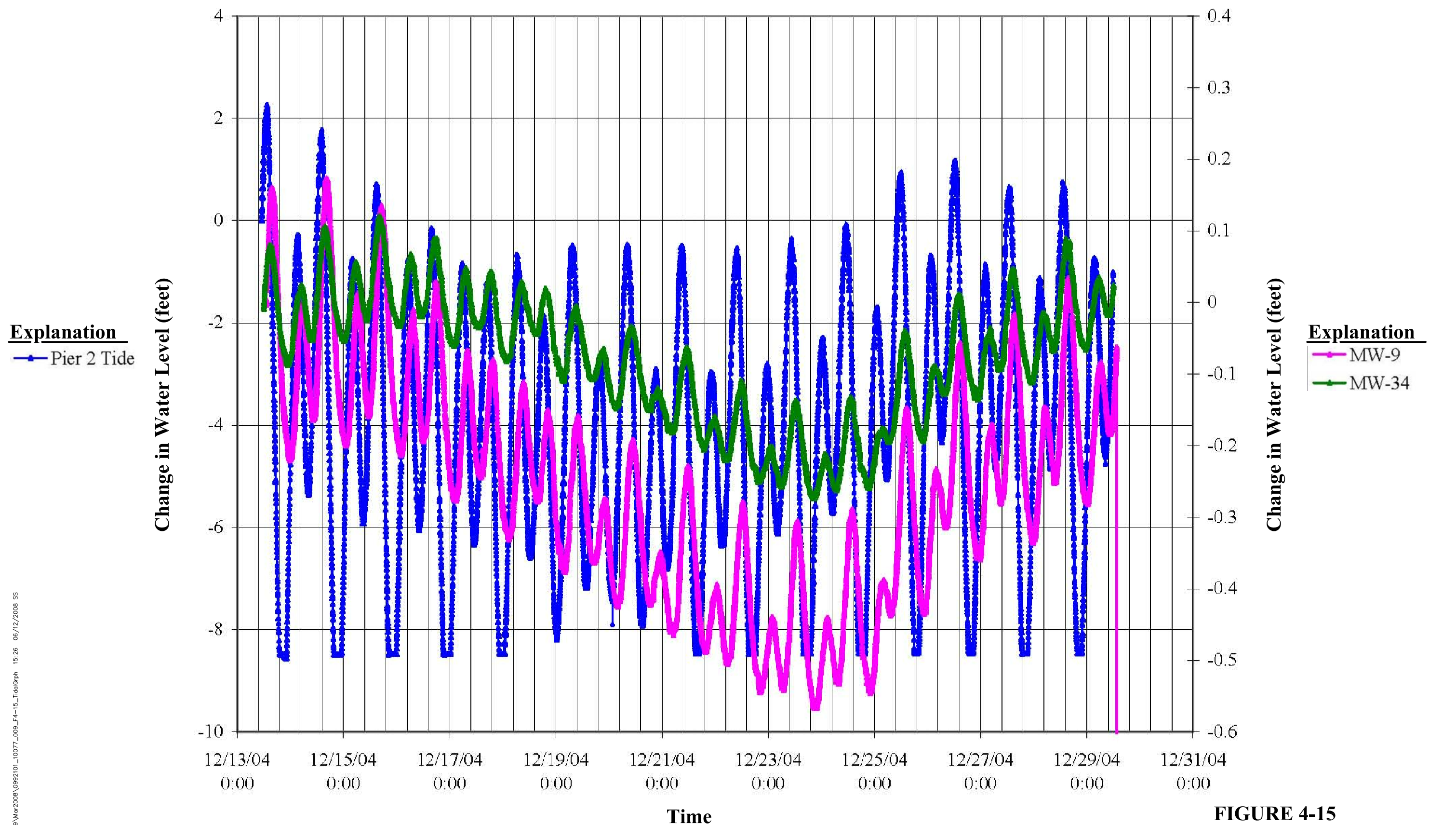


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**FIGURE 4-15**  
**TIDAL DAMPENING GRAPH**  
**PIER 2, MW-9, and MW-34**  
**Remedial Investigation/Feasibility Study**  
**Astoria Area-Wide Petroleum Site**  
**Astoria, Oregon**