

## 7.6 FGD Technology Assessment

Objective: To assess the state-of-the-art of flue gas desulfurization technology and facilitate the transfer of process innovations to the user community.

Approach: Engineering analysis of FGD technology shall be completed to determine the most cost effective SO<sub>2</sub> control alternative. A report will be compiled which assembles the results of the field studies conducted to assess the current state-of-the-art in FGD technology including waste disposal. Technology transfer activities include a national symposium every 18 months which is the major forum for disseminating results to industry, vendor, and government personnel. In addition, the utility FGD survey, and associated data base, will be maintained. This system provides operational and maintenance data, and application trends to users including State and Regional offices.

Rationale: It is necessary to continually assess new technology developments to ensure that industry is aware of the most cost effective control technologies and to channel R & D resources into the most productive areas. Concurrent to this, technology assistance and information must be provided to the user community. This includes not only personnel in industry but also in state and regional offices, who require technical information regarding permit evaluations. Personnel in these offices frequently lack background and training in FGD technology; provisions to provide technical assistance and information result in a benefit to EPA by helping ensure that properly permitted FGD systems are in use.

### Resources (\$1000's):

FY81	FY82	FY83
2056	158	50

### Milestones:

- ° Maintain Utility FGD Information System Data quarterly quarterly Base for Regional Office permit evaluation support;
- ° Conduct and publish proceedings of Seventh FGD Symposium; 5/82, 8/82
- ° Conduct and publish proceedings of Eighth FGD Symposium; 11/83, 2/84