

GP 02-01-01	Plant Noise Design Criteria	July 2001
-------------	-----------------------------	-----------

Plant Noise Design Criteria

GP 02-01-01

Scope

- 1) [I] This Global Practice (GP) covers procedures for the design of a plant and the purchase of equipment to comply with both workplace and community noise criteria.
- 2) * [I] The Job Specification will specify additional noise criteria which are to apply to the plant. Such additional criteria may cover noise levels within the plant area (additional worker exposure locations) and at specified locations outside the plant area (community criteria).
- 3) [I] An asterisk (*) indicates that additional information is required or that additional information is furnished by the Purchaser. If a job is contracted, this additional information is furnished in the Job Specification.
- 4) [I] The community noise criteria are to meet local community noise regulations or ordinances, if any; and/or to minimize community noise complaints.
- 5) [I] The workplace noise criteria are to minimize the need for personal hearing protection and to ensure that no employees are exposed to a time weighted average (TWA) noise exposure of greater than 85 dBA for an 8 hour shift or 82 dBA for a 12 hour shift.

Downstream, Chemical, Downstream Imperial Oil	For ExxonMobil Use Only	Version 1.0.0
Page 1 of 10	©ExxonMobil Development Company	



Documents

Document Sharing Hub

GP 02-01-01	Plant Noise Design Criteria	July 2001
-------------	-----------------------------	-----------

Table of Contents

Table of Tables.....	3
1. Summary of Additional Requirements	4
1.1. ExxonMobil Data Sheets	4
1.2. Other References	4
2. Documentation.....	4
3. Plant Noise Design Bases.....	4
4. Community Noise Criteria.....	5
5. Workplace Noise Criteria	5
6. Plant Noise Design Procedures	7
7. Vendor Equipment Noise Data Requirements	8
8. Engineering Noise Controls	8
Record of Change	9
Attachment: Purpose Codes Definitions	10

DNST, CHEM, DIOL	For ExxonMobil Use Only	Version 1.0.0
Page 2 of 10	©ExxonMobil Development Company	



Documents

Document Sharing Hub

GP 02-01-01	Plant Noise Design Criteria	July 2001
-------------	-----------------------------	-----------

Table of Tables

Table 1: Maximum Noise Levels.....	5
Table 2: Worker Access Positions for Various Equipment	6
Table 3: Special Area Noise Limits	7

DNST, CHEM, DIOL	For ExxonMobil Use Only	Version 1.0.0
Page 3 of 10	©ExxonMobil Development Company	



Documents

Document Sharing Hub