

## HDD ASSESSMENT FORM/水平定向钻工程项目评估表

To ensure accuracy, complete assessment form in its entirety. /为了确保准确, 请完整填写该“水平定向钻工程评估表”

| CONTACT INFORMATION/联系人信息  |  |   |
|--|--|---|
| <b>Asset Owner/业主:</b> <input type="text"/><br>City/城市: <input type="text"/> State/国家: <input type="text"/><br>Contact/联系人: <input type="text"/><br>Phone/电话: <input type="text"/><br>Email/邮箱: <input type="text"/> | <b>Service Contractor/服务承包商:</b> <input type="text"/><br>City/城市: <input type="text"/> State/国家: <input type="text"/><br>Contact/联系人: <input type="text"/><br>Phone/电话: <input type="text"/><br>Email/邮箱: <input type="text"/> | <b>Form Completed by/填表人:</b> <input type="text"/><br>Phone/电话: <input type="text"/><br>Email/邮箱: <input type="text"/><br><b>NRI Distributor /NRI 代理商:</b><br><b>ZILI SERVICE</b><br>City/城市: <input type="text"/> State/国家: <input type="text"/><br>Branch/所属分部: <input type="text"/><br>Contact/联系人: <input type="text"/><br>Phone/电话: <input type="text"/> |
| Location of Line/管线位置: <input type="text"/>  | Job#/工作编号: <input type="text"/>  |   |
| Line ID#/管线编号: <input type="text"/>  | Scheduled Start Date/计划开工时间: <input type="text"/>  |   |
| Is NRI in Specification<br>/NRI 是否为业主的推荐施工方法:<br><input type="checkbox"/> Yes <input type="checkbox"/> No  | Is Onsite Training Required<br>/是否需要现场培训: <input type="checkbox"/> Yes <input type="checkbox"/> No   |   |

| PIPE INFORMATION/管道信息   |  |  |
|---|--|--|
| Nominal Pipe Size (OD)<br>/管道公称直径 (外径): <input type="text"/> (inches/英寸)  | Number of Welds<br>/焊缝数量: <input type="text"/>   | Number of Mid-Welds<br>/中间焊缝: <input type="text"/>   |
| Will the pipe surface be dry during installation? /施工时管道表面是否可保持干燥?<br><input type="checkbox"/> Yes <input type="checkbox"/> No  |  | Cutback / Bare Steel Length<br>/减少/ 裸钢长度: <input type="text"/> (inches/英寸)   |
| Application/应用:<br><input type="checkbox"/> HDD / Boring/水平定向钻/钻孔<br><input type="checkbox"/> Coating Repair/涂层修复<br><input type="checkbox"/> Coating Protection/涂层保护   | Longitudinal Joints/纵向连接方式:<br><input type="checkbox"/> Seamless/无缝<br><input type="checkbox"/> Spiral / Helical/螺旋<br><input type="checkbox"/> Welded/焊接  | Field Applied Corrosion Coating<br>/现场应用防腐蚀涂层:<br>Type/类型: <input type="text"/><br>Length/长度: <input type="text"/> (inches/英寸)<br>Approximate Set Time<br>/大概固化时间: <input type="text"/>  |
| Soil Type and %Present<br>/土壤类型和百分比:<br><input type="checkbox"/> Clay/黏土 <input type="text"/><br><input type="checkbox"/> Fine Sand/细砂 <input type="text"/><br><input type="checkbox"/> Silt/淤泥 <input type="text"/><br><input type="checkbox"/> Course Sand/粗砂 <input type="text"/><br><input type="checkbox"/> Gravel/碎石 <input type="text"/> | Rock Quality Designation (%)<br>/岩石特性指标:<br><input type="checkbox"/> 90-100<br><input type="checkbox"/> 25-50<br><input type="checkbox"/> 75-90<br><input type="checkbox"/> 0-25<br><input type="checkbox"/> 50-75 | Mohs' Scale of Hardness, Scratches with<br>/莫氏硬度标, 划痕方式:<br><input type="checkbox"/> 2.5 Fingernail /2.5 手指甲<br><input type="checkbox"/> 6.5 Steel File/6.5 钢锉<br><input type="checkbox"/> 3 Copper Penny/3 铜币<br><input type="checkbox"/> 5.5 Steel Knife/ 5.5 钢刀 |

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### PREFERENCES/参数选择

- Priority Status/优先顺序:
- Standard/标准响应(end of next business day/第二个工作日结束之前)
  - Priority/优先响应 (2-4 hours, same business day/同一个工作日 2 到 4 小时)
  - Rush/及时响应(same business day/同一个工作日)
  - 911 紧急响应 (2-4 hours, evenings & weekends, fees may apply/任何时段, 两个小时之内, 有可能收费)

| Product Preference/产品选择<br>(if within scope/如果在以下范围内) | Working Time*<br>/施工时间 | Set Time*<br>/固化时间 | Resin Base<br>/树脂基体 | Minimum Layer<br>Requirement/最少层数 |
|---|------------------------|--------------------|---------------------|-----------------------------------|
| <input type="checkbox"/> Scar-Guard®FC                | 5 to 7 minutes         | 30 minutes         | Polyurethane/聚氨酯    | 4                                 |
| <input type="checkbox"/> Scar-Guard®SC                | 30 to 35 minutes       | 2 hours            | Polyurethane/聚氨酯    | 4                                 |
| <input type="checkbox"/> Scar-Guard®E                 | 45 to 55 minutes       | 2.5 hours          | Epoxy/环氧树脂          | 2                                 |
| <input type="checkbox"/> Syntho-Sleeve®               | 5 to 7 minutes         | 30 minutes         | Polyurethane/聚氨酯    | 8                                 |

\*Working and set times are approximate and were measured at 75°F (24°C).

/施工时间和完全固化时间是在 24°C 时测出的大概值。

If Scar-Guard SC is preferred, or recommended, NRI suggests using Scar-Guard FC at each mid-weld.

/如果认为 Scar-Guard SC 比较好, 或者推荐使用 Scar-Guard SC. NRI 公司建议在每一处中间焊缝处使用 Scar-Guard FC。

NRI, the Manufacturer of Scar-Guard®FC (SCGFC), Scar-Guard®SC (SCGSC), Scar-Guard®E (SCGE), and Syntho-Sleeve® (SYS) will replace at no charge to the purchaser any product proved to be defective. Responsibility of the Manufacturer and the Distributor is limited to replacement of the product only. Neither the Manufacturer nor the Distributor shall be liable for consequential or incidental damage or loss of any kind as they do not have any control over the conditions under which these products may be used or over the methods of application. Users should test the product for their particular need and suitability. Users should consult with the Manufacturer or the Distributor for all proposed repairs using the SCGFC, SCGSC, SCGE, and/or SYS Systems. Written procedures for specific repairs are available upon request from the Manufacturer or Distributor. All proposed Pipeline System installations using the SCGFC, SCGSC, SCGE, and/or SYS Systems must be installed or supervised by Certified Technicians.

/NRI 公司, Scar-Guard®FC (SCGFC), Scar-Guard®SC (SCGSC), Scar-Guard®E (SCGE), and Syntho-Sleeve® (SYS) 的制造商将免费替换业主买到的被证明是有缺陷的产品。制造商和经销商的责任仅限于产品的更换。制造商和经销商不承担任何相关的或附带的损害和损失, 因为他们无法对现场的状况做到完全掌控, 这些产品可能被用于不当的现场情况, 以及采用了不当的使用方法。使用者应当测试产品及其工况的适用性以确认是否能满足他们的特定需求。使用者应当与制造商或者经销商协商所有提出使用 SCGFC, SCGSC, SCGE, and/or SYS 修复系统的修理计划。具体维修的书面程序, 可根据制造商或经销商的要求提供。所有管道修复项目在使用 SCGFC, SCGSC, SCGE, and/or SYS 修复系统时, 产品必须安装好或现场有通过 NRI 认证的技术人员监督负责。